

# Search Overview

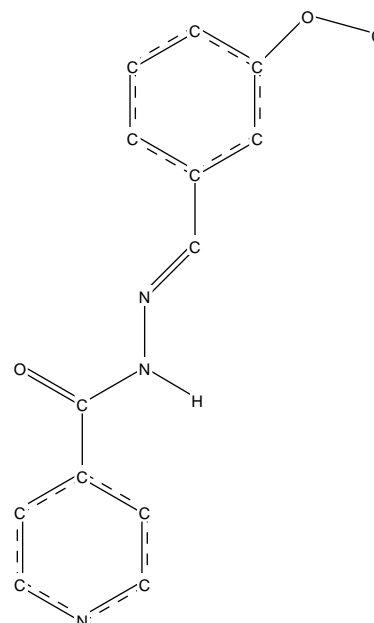
**Search:** search1  
**Date/Time done:** Wed Apr 10 17:21:31 2019  
**Database(s):** CSD version 5.40 updates (Feb 2019)  
CSD version 5.40 (November 2018)  
**Restriction Info:** No refcode restrictions applied  
**Filters:** None  
**Percentage Completed:** 100%  
**Number of Hits:** 51

**Single query used. Search found structures that:**

match

**Query 1**

**Query 1**



# Search: search1 (Wed Apr 10 17:21:31 2019): Hits 1-4

## BICFOL

**Reference:** S.Sivaraman, A.Agilandeswari, C.Balakrishnan, R.M.Sockalingam, S.P.Meenakshisundaram, R.Markkandan (2018) *J.Mol.Struct.*, **1173**,385

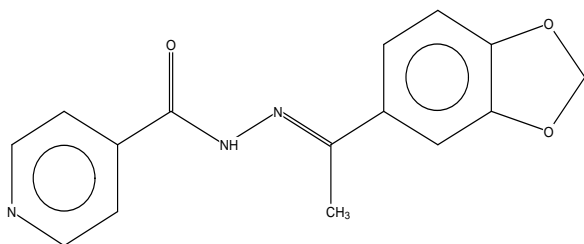
**Formula:** C<sub>15</sub> H<sub>13</sub> N<sub>3</sub> O<sub>3</sub>

**Compound Name:** N'-[1-(2H-1,3-benzodioxol-5-yl)ethylidene]pyridine-4-carbohydrazide

**Synonym:** N-(benzo[d][1,3]dioxol-5-yl)-N-methylnicotinohydrazide

**Space Group:** P-1      **Cell:**    **a** 9.080(0)    **b** 9.114(0)    **c** 9.939(0)  
**Space Group No.:** 2      **(Å, °)**    **α** 91.06(0)    **β** 112.74(0)    **γ** 116.33(0)

**R-Factor (%):** 3.59      **Temperature(K):** 296      **Density(g/cm<sup>3</sup>):** 1.422



## CABMEZ

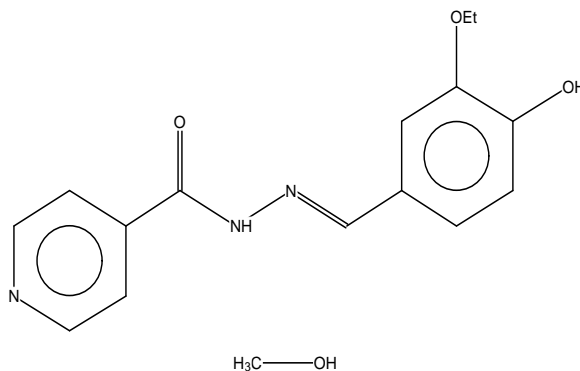
**Reference:** Heng-Yu Qian, Zhen-Xin Zhao, Chun-Xia Zhang, Zhi-Gang Yin (2010) *Z.Kristallogr.-New Cryst.Struct.*, **225**,383

**Formula:** C<sub>15</sub> H<sub>15</sub> N<sub>3</sub> O<sub>3</sub>·C<sub>1</sub> H<sub>4</sub> O<sub>1</sub>

**Compound Name:** N'-(3-Ethoxy-4-hydroxybenzylidene)isonicotinohydrazide methanol solvate

**Space Group:** P21      **Cell:**    **a** 11.279(0)    **b** 6.443(0)    **c** 11.890(0)  
**Space Group No.:** 4      **(Å, °)**    **α** 90.00      **β** 109.07(0)    **γ** 90.00

**R-Factor (%):** 3.64      **Temperature(K):** 293      **Density(g/cm<sup>3</sup>):** 1.291



## CANCOK

**Reference:** Ming Yu, Xin Chen, Zuo-Liang Jing (2005) *Acta Crystallogr., Sect.E:Struct.Rep.Online*, **61**,o1345

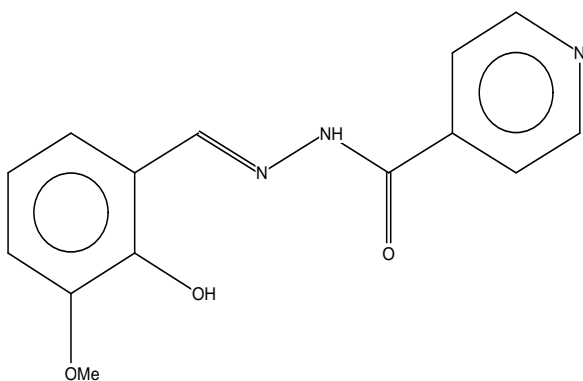
**Formula:** C<sub>14</sub> H<sub>13</sub> N<sub>3</sub> O<sub>3</sub>

**Compound Name:** Isonicotinic acid (2-hydroxy-3-methoxy-benzylidene)hydrazide

**Synonym:** N'-(2-Hydroxy-3-methoxybenzylidene)isonicotinohydrazide

**Space Group:** P21/c      **Cell:**    **a** 7.671(2)    **b** 16.268(5)    **c** 10.884(3)  
**Space Group No.:** 14      **(Å, °)**    **α** 90.00      **β** 110.42(0)    **γ** 90.00

**R-Factor (%):** 5.11      **Temperature(K):** 294      **Density(g/cm<sup>3</sup>):** 1.416



## CANCOK01

**Reference:** De-Suo Yang (2007) *J.Chem.Cryst.*, **37**,343

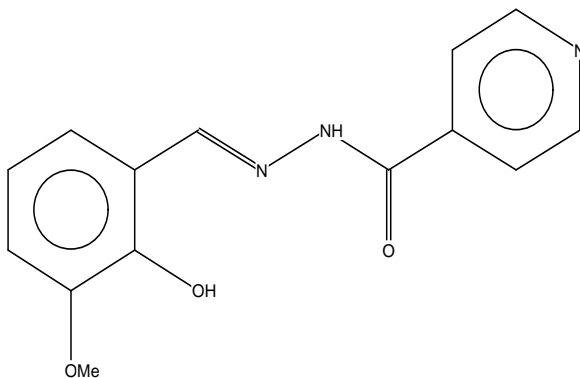
**Formula:** C<sub>14</sub> H<sub>13</sub> N<sub>3</sub> O<sub>3</sub>

**Compound Name:** Isonicotinic acid (1-(3-methoxy-2-hydroxyphenyl)methylidene)hydrazide

**Synonym:** N'-(2-Hydroxy-3-methoxybenzylidene)isonicotinohydrazide

**Space Group:** P21/c      **Cell:**    **a** 7.662(1)    **b** 16.249(2)    **c** 10.874(2)  
**Space Group No.:** 14      **(Å, °)**    **α** 90.00      **β** 110.43(0)    **γ** 90.00

**R-Factor (%):** 6.44      **Temperature(K):** 298      **Density(g/cm<sup>3</sup>):** 1.420



# Search: search1 (Wed Apr 10 17:21:31 2019): Hits 5-8

## CANCOK02

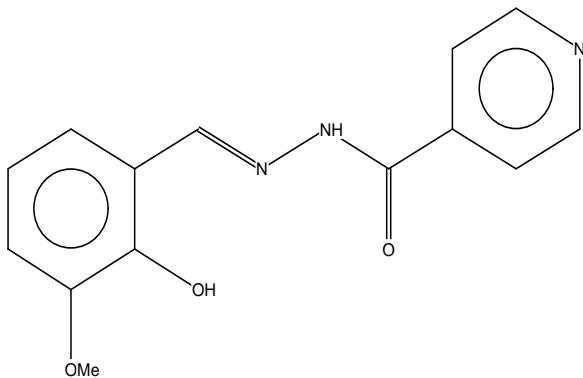
**Reference:** Jun Xu (2013)  
*Synth.React.Inorg.,Met.-Org.,Nano-Met.Chem.*, **43**,1329

**Formula:** C<sub>14</sub> H<sub>13</sub> N<sub>3</sub> O<sub>3</sub>

**Compound Name:** N'-(2-Hydroxy-3-methoxybenzylidene)isonicotinohydrazide

**Space Group:** P21/c    **Cell:**    **a** 7.671(0)    **b** 16.257(0)    **c** 10.879(0)  
**Space Group No.:** 14    **(Å,°)**    **α** 90.00    **β** 110.43(0)    **γ** 90.00

**R-Factor (%):** 4.11    **Temperature(K):** 298    **Density(g/cm<sup>3</sup>):** 1.417



## CANCOK03

**Reference:** M.R.J.Elsegood, M.Kose, Eyup Akgun (2015)  
*CSD Communication(Private Communication)*,

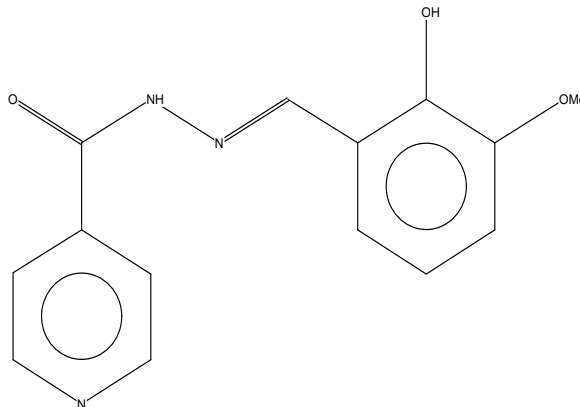
**Formula:** C<sub>14</sub> H<sub>13</sub> N<sub>3</sub> O<sub>3</sub>

**Compound Name:** N'-(2-hydroxy-3-methoxybenzylidene)isonicotinohydrazide

**Synonym:** Isonicotinic acid (2-hydroxy-3-methoxy-benzylidene)hydrazide

**Space Group:** P21/n    **Cell:**    **a** 7.540(0)    **b** 16.243(1)    **c** 10.772(0)  
**Space Group No.:** 14    **(Å,°)**    **α** 90.00    **β** 109.59(0)    **γ** 90.00

**R-Factor (%):** 3.90    **Temperature(K):** 150    **Density(g/cm<sup>3</sup>):** 1.450



## EDENUW

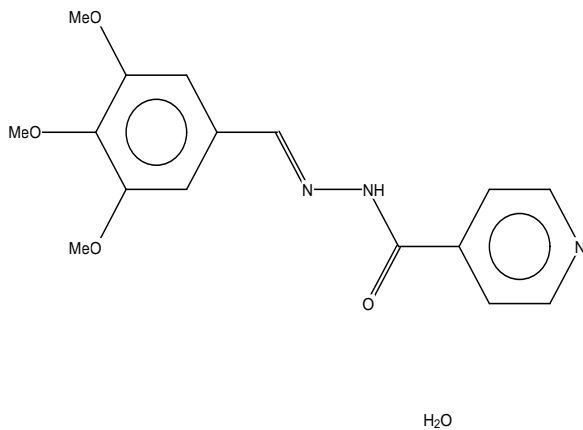
**Reference:** V.G.Bhagiratha, T.N.Chandranatha, Puttaraja, M.K.Kokila, M.Nethaji (2000) *Mol.Mater.(Mol.Cryst.Liq.Cryst.,Sect.C)*, **12**,215

**Formula:** C<sub>16</sub> H<sub>17</sub> N<sub>3</sub> O<sub>4</sub>·2(H<sub>2</sub>O)

**Compound Name:** 3,4,5-trimethoxybenzaldehyde isonicotinoyl hydrazone dihydrate

**Space Group:** P21/n    **Cell:**    **a** 9.115(4)    **b** 16.305(3)    **c** 11.750(5)  
**Space Group No.:** 14    **(Å,°)**    **α** 90.00    **β** 91.43(4)    **γ** 90.00

**R-Factor (%):** 6.24    **Temperature(K):** 295    **Density(g/cm<sup>3</sup>):** 1.337



## EDENUW01

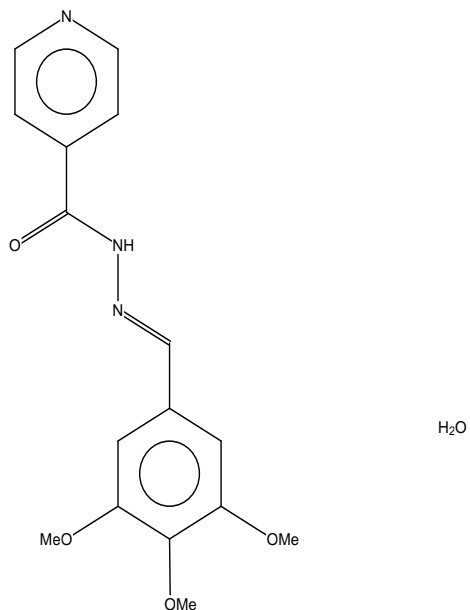
**Reference:** M.A.Peralta, M.N.V.de Souza, S.M.S.V.Wardell, J.L.Wardell, J.N.Low, C.Glidewell (2007) *Acta Crystallogr.,Sect.C:Cryst.Struct.Commun.*, **63**,o68

**Formula:** C<sub>16</sub> H<sub>17</sub> N<sub>3</sub> O<sub>4</sub>·2(H<sub>2</sub>O)

**Compound Name:** 3,4,5-Trimethoxybenzaldehyde isonicotinoylhydrazone dihydrate

**Space Group:** P21/n    **Cell:**    **a** 8.993(0)    **b** 16.271(1)    **c** 11.631(0)  
**Space Group No.:** 14    **(Å,°)**    **α** 90.00    **β** 90.35(0)    **γ** 90.00

**R-Factor (%):** 6.47    **Temperature(K):** 120    **Density(g/cm<sup>3</sup>):** 1.371



# Search: search1 (Wed Apr 10 17:21:31 2019): Hits 9-12

## GAWSAZ

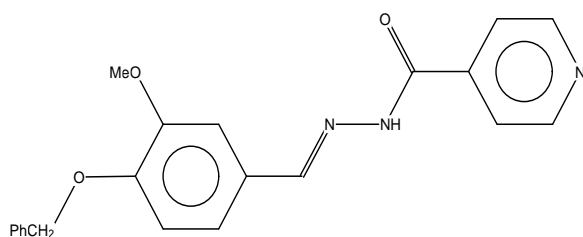
**Reference:** Jun Shi (2005) *Acta Crystallogr., Sect. E: Struct. Rep. Online*, **61**, o3933

**Formula:** C<sub>21</sub> H<sub>19</sub> N<sub>3</sub> O<sub>3</sub>

**Compound Name:** (E)-N'-(4-Benzyloxy-3-methoxybenzylidene)isonicotinohydrazide

**Space Group:** Pbc<sub>a</sub>    **Cell:**    **a** 11.042(1)    **b** 8.071(1)    **c** 41.313(7)  
**Space Group No.:** 61    **(Å, °)**    **α** 90.00    **β** 90.00    **γ** 90.00

**R-Factor (%):** 4.69    **Temperature(K):** 294    **Density(g/cm<sup>3</sup>):** 1.304



## GEPFAJ

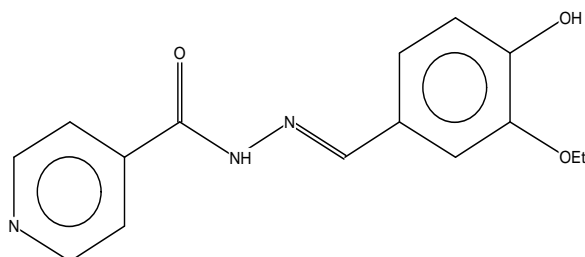
**Reference:** Heng-Yu Qian, Zhi-Gang Yin, Jia Jia, Sheng-Min Liu, Ling-Qin Feng (2006) *Acta Crystallogr., Sect. E: Struct. Rep. Online*, **62**, o3623

**Formula:** C<sub>15</sub> H<sub>15</sub> N<sub>3</sub> O<sub>3</sub>

**Compound Name:** N'-(3-Ethoxy-4-hydroxybenzylidene)isonicotinohydrazide

**Space Group:** P21/c    **Cell:**    **a** 13.631(3)    **b** 12.075(2)    **c** 8.777(2)  
**Space Group No.:** 14    **(Å, °)**    **α** 90.00    **β** 96.70(3)    **γ** 90.00

**R-Factor (%):** 3.50    **Temperature(K):** 298    **Density(g/cm<sup>3</sup>):** 1.321



## GINPID

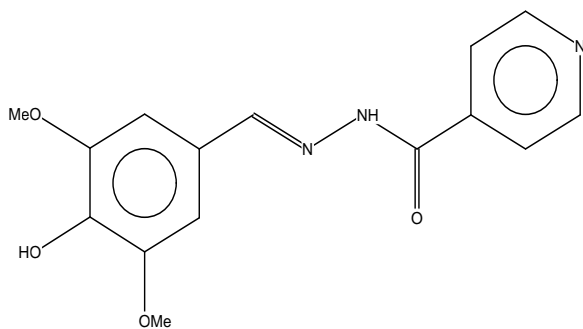
**Reference:** Yi-Feng Sun, Xin-Li Wang, Ji-Kun Li, Xue-Li Cheng, Ren-Tao Wu (2007) *Acta Crystallogr., Sect. E: Struct. Rep. Online*, **63**, o4467

**Formula:** C<sub>15</sub> H<sub>15</sub> N<sub>3</sub> O<sub>4</sub>·H<sub>2</sub>O

**Compound Name:** 4-Hydroxy-3,5-dimethoxybenzaldehyde isonicotinoylhydrazone monohydrate

**Space Group:** P21/c    **Cell:**    **a** 9.014(1)    **b** 21.663(3)    **c** 7.820(1)  
**Space Group No.:** 14    **(Å, °)**    **α** 90.00    **β** 93.65(0)    **γ** 90.00

**R-Factor (%):** 4.19    **Temperature(K):** 273    **Density(g/cm<sup>3</sup>):** 1.392



H<sub>2</sub>O

## HESQOM

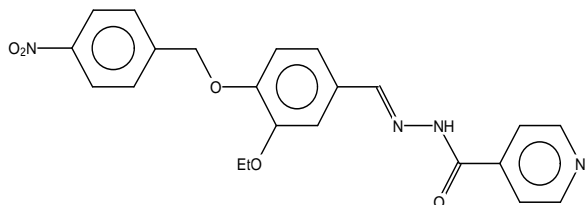
**Reference:** Qiao-Zhen Zhang, Yan-Li Zhao, Xin Chen, Ming Yu (2006) *Acta Crystallogr., Sect. E: Struct. Rep. Online*, **62**, o5432

**Formula:** C<sub>22</sub> H<sub>20</sub> N<sub>4</sub> O<sub>5</sub>

**Compound Name:** (E)-N'-(3-Ethoxy-4-(4-nitrobenzyloxy)benzylidene)isonicotinohydrazide

**Space Group:** P21/c    **Cell:**    **a** 12.454(3)    **b** 11.163(2)    **c** 14.923(3)  
**Space Group No.:** 14    **(Å, °)**    **α** 90.00    **β** 103.82(3)    **γ** 90.00

**R-Factor (%):** 5.71    **Temperature(K):** 294    **Density(g/cm<sup>3</sup>):** 1.386



# Search: search1 (Wed Apr 10 17:21:31 2019): Hits 13-16

## HESRUT

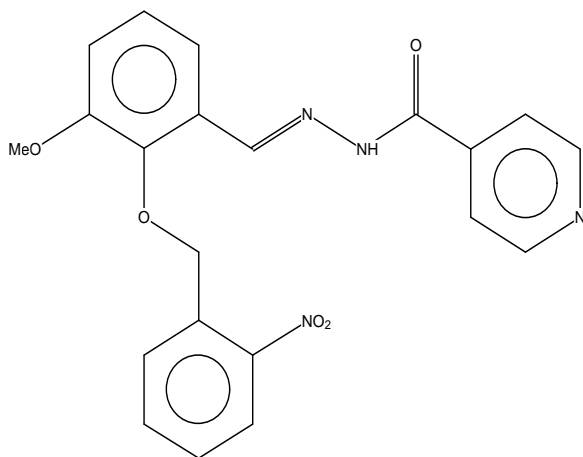
**Reference:** Jian-Rong Han, Xiao-Li Zhen, Xia Tian, Shou-Xin Liu (2006) *Acta Crystallogr., Sect. E: Struct. Rep. Online* **62**, o5570

**Formula:** C<sub>21</sub> H<sub>18</sub> N<sub>4</sub> O<sub>5</sub>

**Compound Name:** (E)-N'-(3-Methoxy-2-(2-nitrobenzyloxy)benzylidene)isonicotinohydrazide

**Space Group:** P21/c **Cell:** a 7.897(1) b 26.120(6) c 20.139(4)  
**Space Group No.:** 14 **Cell:** (Å, °) α 90.00 β 96.36(0) γ 90.00

**R-Factor (%):** 5.71 **Temperature(K):** 294 **Density(g/cm<sup>3</sup>):** 1.308



## HEXJOM

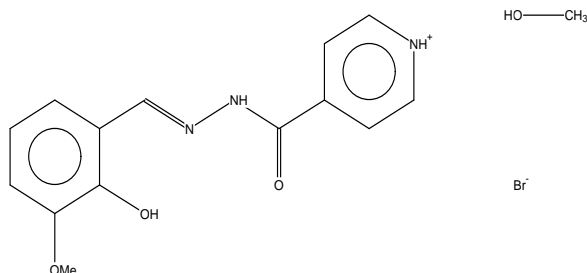
**Reference:** V.Vrdoljak, B.Prugovecki, I.Primožic, T.Hrenar, D.Cvijanovic, J.P.Vukovic, R.Odzak, M.Skocibusic, S.Prugovecki, J.Lovric, D.Matkovic-Calogovic, M.Cindric (2018) *New J.Chem.* **42**, 11697

**Formula:** C<sub>14</sub> H<sub>14</sub> N<sub>3</sub> O<sub>3</sub> 1<sup>+</sup>·C<sub>1</sub> H<sub>4</sub> O<sub>1</sub> Br<sub>1</sub><sup>1-</sup>

**Compound Name:** 4-{-2-[[2-hydroxy-3-methoxyphenyl)methylidene]hydrazinacarbonyl}pyridin-1-ium bromide methanol solvate

**Space Group:** P21/n **Cell:** a 13.368(0) b 7.636(0) c 16.454(1)  
**Space Group No.:** 14 **Cell:** (Å, °) α 90.00 β 98.02(0) γ 90.00

**R-Factor (%):** 5.46 **Temperature(K):** 293 **Density(g/cm<sup>3</sup>):** 1.534



## IGABEY

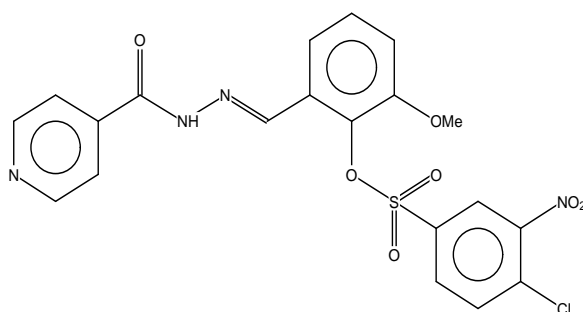
**Reference:** Xiao-Li Zhen, Xiao-Liu Li (2008) *Acta Crystallogr., Sect. E: Struct. Rep. Online* **64**, o2170

**Formula:** C<sub>20</sub> H<sub>15</sub> Cl<sub>1</sub> N<sub>4</sub> O<sub>7</sub> S<sub>1</sub>·4(C<sub>2</sub> H<sub>4</sub> O<sub>2</sub>)

**Compound Name:** (E)-N'-(2-(4-Chloro-3-nitrophenylsulfonyloxy)-3-methoxybenzylidene)isonicotinohydrazide acetic acid solvate

**Space Group:** P-1 **Cell:** a 8.056(1) b 13.876(3) c 16.097(3)  
**Space Group No.:** 2 **Cell:** (Å, °) α 79.01(3) β 76.01(3) γ 75.44(3)

**R-Factor (%):** 5.94 **Temperature(K):** 294 **Density(g/cm<sup>3</sup>):** 1.451



H<sub>3</sub>C—COOH

## IGALIN

**Reference:** M.K.Prasanna, M.Sithambaresan, K.Pradeepkumar, M.R.P.Kurup (2013) *Acta Crystallogr., Sect. E: Struct. Rep. Online* **69**, o881

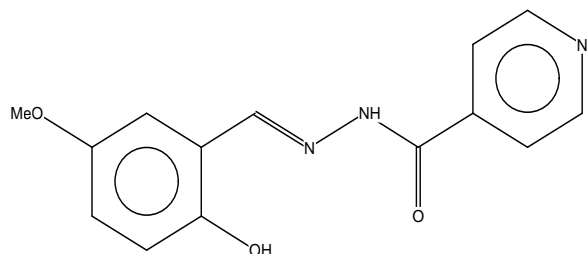
**Formula:** C<sub>14</sub> H<sub>13</sub> N<sub>3</sub> O<sub>3</sub>·H<sub>2</sub> O

**Compound Name:** N'-{(E)-2-Hydroxy-5-methoxybenzylidene}pyridine-4-carbohydrazide monohydrate

**Synonym:** N'-(2-Hydroxy-5-methoxybenzylidene)isonicotinohydrazide monohydrate

**Space Group:** Pna21 **Cell:** a 12.646(1) b 12.742(1) c 8.931(0)  
**Space Group No.:** 33 **Cell:** (Å, °) α 90.00 β 90.00 γ 90.00

**R-Factor (%):** 4.54 **Temperature(K):** 296 **Density(g/cm<sup>3</sup>):** 1.335



H<sub>2</sub>O

# Search: search1 (Wed Apr 10 17:21:31 2019): Hits 17-20

## JIRWOX

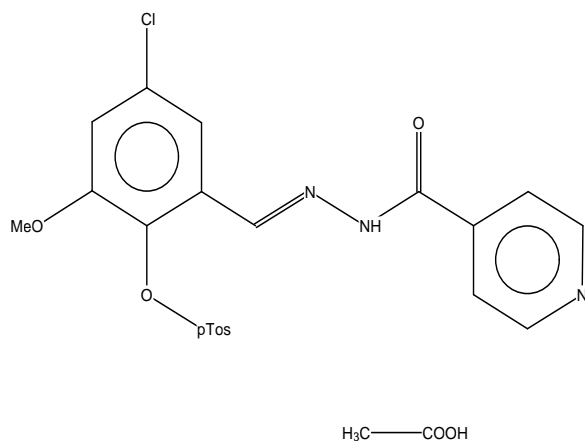
**Reference:** Chun-Hua Diao, Zhi Fan, Xin Chen (2007)  
*Acta Crystallogr., Sect. C: Cryst. Struct. Commun.*, **63**, o717

**Formula:** C<sub>21</sub> H<sub>18</sub> Cl<sub>1</sub> N<sub>3</sub> O<sub>5</sub> S<sub>1</sub> C<sub>2</sub> H<sub>4</sub> O<sub>2</sub>

**Compound Name:** (E)-N'-(5-Chloro-3-methoxy-2-(4-methylphenylsulfonyloxy)benzylidene)isonicotinohydrazide acetic acid solvate

**Space Group:** Pna21    **Cell:**    **a** 14.886(3)    **b** 23.190(4)    **c** 7.064(1)  
**Space Group No.:** 33    **(Å, °)**    **α** 90.00    **β** 90.00    **γ** 90.00

**R-Factor (%):** 4.76    **Temperature(K):** 294    **Density(g/cm<sup>3</sup>):** 1.416



## LEXPUA

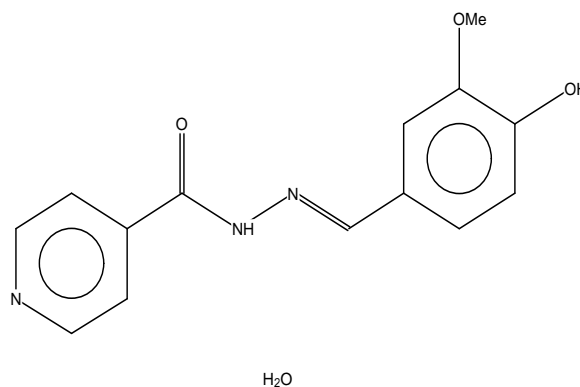
**Reference:** Xue-Fang Shi, Lei He, Guo-Zhun Ma, Cui-Cui Yuan (2007)  
*Acta Crystallogr., Sect. E: Struct. Rep. Online*, **63**, o1119

**Formula:** C<sub>14</sub> H<sub>13</sub> N<sub>3</sub> O<sub>3</sub> H<sub>2</sub> O<sub>1</sub>

**Compound Name:** N'-(4-Hydroxy-3-methoxybenzylidene)isonicotinohydrazide monohydrate

**Space Group:** P21/n    **Cell:**    **a** 13.343(3)    **b** 6.528(1)    **c** 16.005(3)  
**Space Group No.:** 14    **(Å, °)**    **α** 90.00    **β** 98.42(0)    **γ** 90.00

**R-Factor (%):** 3.88    **Temperature(K):** 294    **Density(g/cm<sup>3</sup>):** 1.393



## LEXPUA01

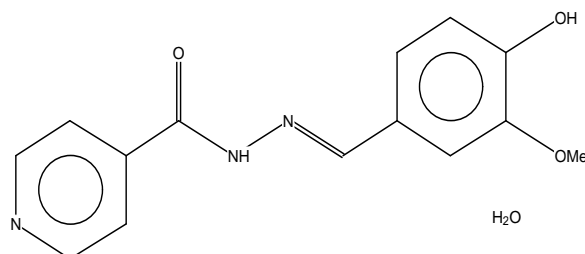
**Reference:** K.R.Roopashree, B.Inturi, G.V.Pujar, S.R.Prem Kumar, H.C.Devarajegowda (2016) *IUCrData*, **1**, x161300

**Formula:** C<sub>14</sub> H<sub>13</sub> N<sub>3</sub> O<sub>3</sub> H<sub>2</sub> O<sub>1</sub>

**Compound Name:** N'-[(1E)-4-hydroxy-3-methoxybenzylidene]isonicotinohydrazide monohydrate

**Space Group:** P21/n    **Cell:**    **a** 8.369(0)    **b** 13.091(1)    **c** 12.678(1)  
**Space Group No.:** 14    **(Å, °)**    **α** 90.00    **β** 99.09(0)    **γ** 90.00

**R-Factor (%):** 4.29    **Temperature(K):** 296    **Density(g/cm<sup>3</sup>):** 1.401



## LEXPUA02

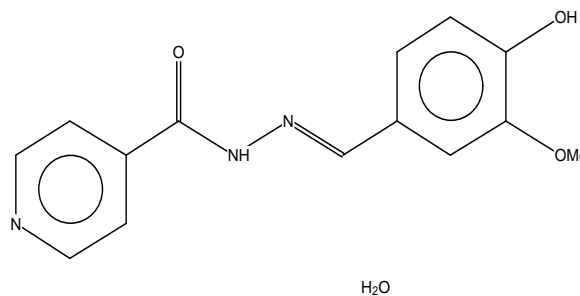
**Reference:** V.Ferraresi-Curotto, G.A.Echeverria, O.E.Piro, R.Pis-Diez, A.C.Gonzalez-Baro (2017) *J.Mol.Struct.*, **1133**, 436

**Formula:** C<sub>14</sub> H<sub>13</sub> N<sub>3</sub> O<sub>3</sub> H<sub>2</sub> O<sub>1</sub>

**Compound Name:** N'-((4-hydroxy-3-methoxyphenyl)methylidene)pyridine-4-carbohydrazide monohydrate

**Space Group:** P21/n    **Cell:**    **a** 8.374(0)    **b** 13.103(1)    **c** 12.683(1)  
**Space Group No.:** 14    **(Å, °)**    **α** 90.00    **β** 99.02(1)    **γ** 90.00

**R-Factor (%):** 5.78    **Temperature(K):** 293    **Density(g/cm<sup>3</sup>):** 1.398



# Search: search1 (Wed Apr 10 17:21:31 2019): Hits 21-24

## MAZFIF

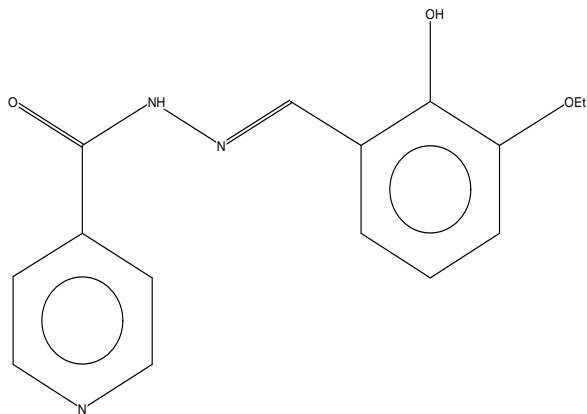
**Reference:** Reza Kia, H.Kargar (2015) *J.Coord.Chem.* ,68,1441

**Formula:** C<sub>15</sub> H<sub>15</sub> N<sub>3</sub> O<sub>3</sub>

**Compound Name:** N-(3-ethoxy-2-hydroxybenzylidene)isonicotinohydrazide

**Space Group:** P2<sub>1</sub>/n **Cell:** a 7.441(1) b 10.545(1) c 17.958(3)  
**Space Group No.:** 14 **(Å, °)** α 90.00 β 93.32(1) γ 90.00

**R-Factor (%):** 4.07 **Temperature(K):** 296 **Density(g/cm<sup>3</sup>):** 1.347



## MUDGAV

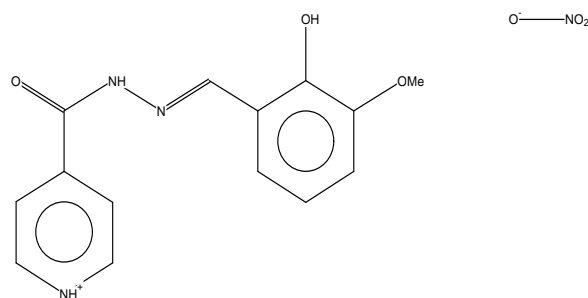
**Reference:** M.Tabatabaee, A.Taghinezhadkoshkno, M.Dusek, K.Fejfarova (2015) *Synth.React.Inorg.,Met.-Org.,Nano-Met.Chem.* ,45, 1506

**Formula:** C<sub>14</sub> H<sub>14</sub> N<sub>3</sub> O<sub>3</sub><sup>1+</sup>·N<sub>1</sub> O<sub>3</sub><sup>1-</sup>

**Compound Name:** 4-[(2-(2-hydroxy-3-methoxybenzylidene)hydrazinyl)carbonyl]pyridinium nitrate

**Space Group:** Pna2<sub>1</sub> **Cell:** a 19.540(0) b 7.495(0) c 20.004(0)  
**Space Group No.:** 33 **(Å, °)** α 90.00 β 90.00 γ 90.00

**R-Factor (%):** 2.65 **Temperature(K):** 120 **Density(g/cm<sup>3</sup>):** 1.516



## MUDGAV01

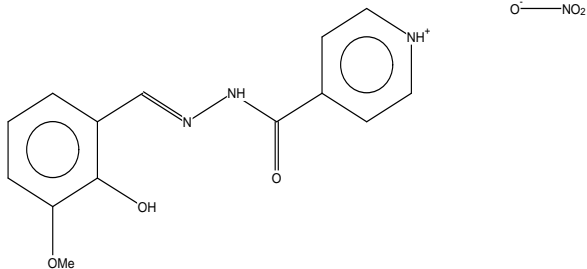
**Reference:** V.Vrdoljak, B.Prugovecki, I.Primozic, T.Hrenar, D.Cvijanovic, J.P.Vukovic, R.Odzak, M.Skocibusic, S.Prugovecki, J.Lovric, D.Matkovic-Calogovic, M.Cindric (2018) *New J.Chem.* ,42, 11697

**Formula:** C<sub>14</sub> H<sub>14</sub> N<sub>3</sub> O<sub>3</sub><sup>1+</sup>·N<sub>1</sub> O<sub>3</sub><sup>1-</sup>

**Compound Name:** 4-{2-[(2-hydroxy-3-methoxyphenyl)methylidene]hydrazinecarbonyl}pyridin-1-ium nitrate

**Space Group:** P2<sub>1</sub>/c **Cell:** a 21.748(0) b 7.459(0) c 19.515(0)  
**Space Group No.:** 14 **(Å, °)** α 90.00 β 112.49(0) γ 90.00

**R-Factor (%):** 5.32 **Temperature(K):** 293 **Density(g/cm<sup>3</sup>):** 1.518



## MUDGEZ

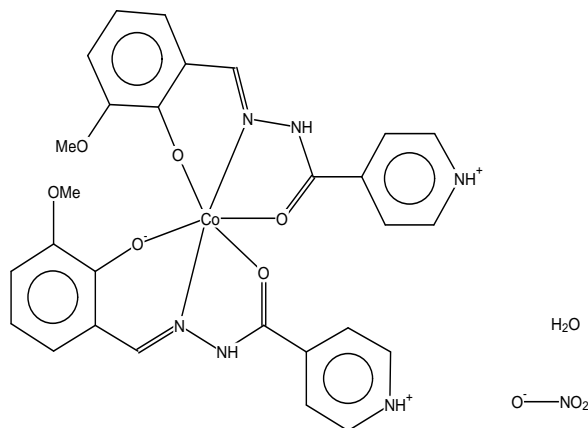
**Reference:** M.Tabatabaee, A.Taghinezhadkoshkno, M.Dusek, K.Fejfarova (2015) *Synth.React.Inorg.,Met.-Org.,Nano-Met.Chem.* ,45, 1506

**Formula:** C<sub>28</sub> H<sub>26</sub> Co<sub>1</sub> N<sub>6</sub> O<sub>6</sub><sup>1+</sup>·N<sub>1</sub> O<sub>3</sub><sup>1-</sup>·5.284(H<sub>2</sub>O)<sub>1</sub>

**Compound Name:** bis(2-methoxy-6-[(2-(pyridinium-4-ylcarbonyl)hydrazinylidene)methyl]phenolato)-cobalt nitrate hydrate

**Space Group:** P-1 **Cell:** a 10.649(0) b 11.997(0) c 13.903(0)  
**Space Group No.:** 2 **(Å, °)** α 104.39(0) β 110.15(0) γ 95.38(0)

**R-Factor (%):** 5.45 **Temperature(K):** 120 **Density(g/cm<sup>3</sup>):** 1.591



# Search: search1 (Wed Apr 10 17:21:31 2019): Hits 25-28

## NABNOW

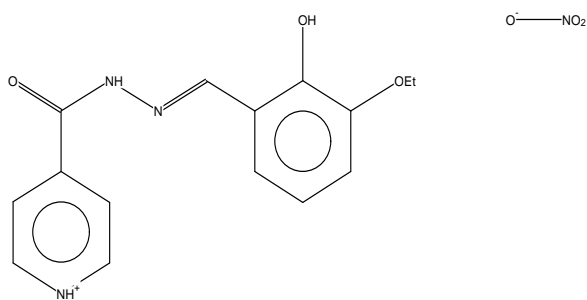
**Reference:** Li Li, Yuan Zhuo Zhang, E Liu, Chengxiang Yang, J.A.Golen, A.L.Rheingold, Guoqi Zhang (2016) *J.Mol.Struct.* ,1110,180

**Formula:** C<sub>15</sub> H<sub>16</sub> N<sub>3</sub> O<sub>3</sub><sup>1+</sup>, N<sub>1</sub> O<sub>3</sub><sup>1-</sup>

**Compound Name:** 4-((2-(3-ethoxy-2-hydroxybenzylidene)hydrazino)carbonyl)pyridinium nitrate

**Space Group:** P-1 **Cell:** a 6.753(0) b 6.967(0) c 16.554(1)  
**Space Group No.:** 2 **(Å,°)** α 81.19(0) β 81.25(0) γ 81.67(0)

**R-Factor (%):** 3.71 **Temperature(K):** 100 **Density(g/cm<sup>3</sup>):** 1.533



## NUDXAN

**Reference:** Min Hong, Honglin Geng, Meiju Niu, Fei Wang, Dacheng Li, Jifeng Liu, Handong Yin (2014) *Eur.J.Med.Chem.* ,86,550

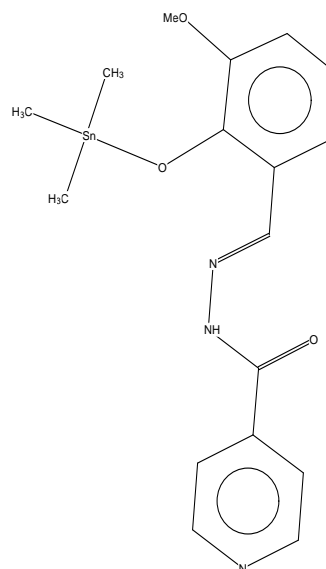
**Formula:** C<sub>17</sub> H<sub>21</sub> N<sub>3</sub> O<sub>3</sub> Sn<sub>1</sub>

**Compound Name:** (N'-(3-methoxy-2-oxybenzylidene)isonicotinohydrazide)-trimethyl-tin unknown solvate

**Synonym:** N'-(3-methoxy-2-((trimethylstannyloxy)benzylidene)isonicotinohydrazide unknown solvate

**Space Group:** R-3 **Cell:** a 31.643(8) b 31.643(8) c 12.083(1)  
**Space Group No.:** 148 **(Å,°)** α 90.00 β 90.00 γ 120.00

**R-Factor (%):** 7.92 **Temperature(K):** 293 **Density(g/cm<sup>3</sup>):** 1.238



## NUQZUV

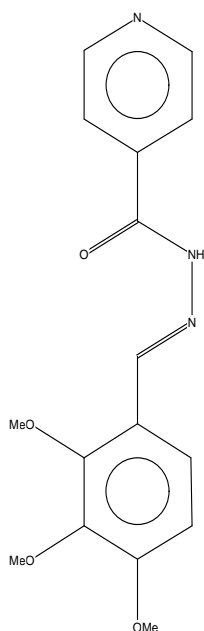
**Reference:** H.S.Naveenkumar, A.Sadikun, P.Ibrahim, C.S.Yeap, H.-K.Fun (2010) *Acta Crystallogr., Sect.E:Struct.Rep.Online* ,66,o1231

**Formula:** C<sub>16</sub> H<sub>17</sub> N<sub>3</sub> O<sub>4</sub>

**Compound Name:** (E)-N'-(2,3,4-Trimethoxybenzylidene)isonicotinohydrazide

**Space Group:** P21/c **Cell:** a 14.246(3) b 9.397(2) c 12.098(3)  
**Space Group No.:** 14 **(Å,°)** α 90.00 β 109.25(0) γ 90.00

**R-Factor (%):** 4.74 **Temperature(K):** 100 **Density(g/cm<sup>3</sup>):** 1.370



## NURBEI

**Reference:** H.S.Naveenkumar, A.Sadikun, P.Ibrahim, C.S.Yeap, H.-K.Fun (2010) *Acta Crystallogr., Sect.E:Struct.Rep.Online* ,66,o1235

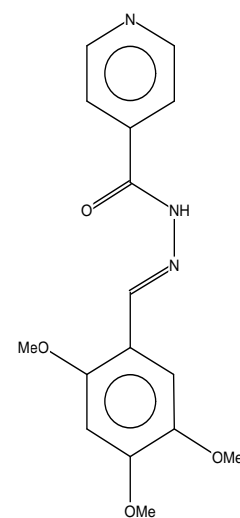
**Formula:** C<sub>16</sub> H<sub>17</sub> N<sub>3</sub> O<sub>4</sub>·2(H<sub>2</sub>O)<sub>1</sub>

**Compound Name:** (E)-N'-(2,4,5-Trimethoxybenzylidene)isonicotinohydrazide dihydrate

**Synonym:** N'-(2,4,5-Trimethoxybenzylidene)isonicotinohydrazide dihydrate

**Space Group:** P21 **Cell:** a 6.816(0) b 14.565(1) c 8.559(0)  
**Space Group No.:** 4 **(Å,°)** α 90.00 β 103.42(0) γ 90.00

**R-Factor (%):** 3.40 **Temperature(K):** 100 **Density(g/cm<sup>3</sup>):** 1.412



H<sub>2</sub>O



# Search: search1 (Wed Apr 10 17:21:31 2019): Hits 29-32

## ODAROB

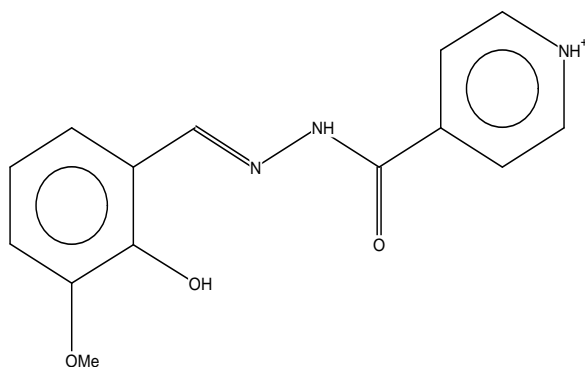
**Reference:** Shao-Wen Chen, Han-Dong Yin, Da-Qi Wang, Xia Kong, Xiao-Fang Chen (2006) *Acta Crystallogr., Sect. E: Struct. Rep. Online* ,**62**, o2043

**Formula:** C<sub>14</sub>H<sub>14</sub>N<sub>3</sub>O<sub>3</sub><sup>1+</sup>·Cl<sub>1</sub><sup>1-</sup>·0.5(H<sub>2</sub>O)<sub>1</sub>

**Compound Name:** 2-Hydroxy-3-methoxybenzaldehyde (pyridinium-4-ylcarbonyl)hydrazone chloride hemihydrate

**Space Group:** P2<sub>1</sub>/n **Cell:** a 12.925(3) b 7.437(1) c 15.503(4)  
**Space Group No.:** 14 **Cell:** (Å, °) α 90.00 β 90.98(0) γ 90.00

**R-Factor (%):** 5.02 **Temperature(K):** 293 **Density(g/cm<sup>3</sup>):** 1.412



Cl<sup>-</sup>

H<sub>2</sub>O

## PESFOJ

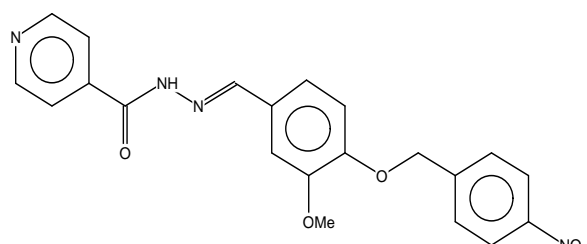
**Reference:** Chun-Hua Diao, Ming Yu (2006) *Acta Crystallogr., Sect. E: Struct. Rep. Online* ,**62**, o5209

**Formula:** C<sub>21</sub>H<sub>18</sub>N<sub>4</sub>O<sub>5</sub>

**Compound Name:** (E)-N-(3-Methoxy-4-(4-nitrobenzyloxy)benzylidene)isonicotinohydrazide

**Space Group:** Pccn **Cell:** a 23.601(5) b 10.798(2) c 14.698(3)  
**Space Group No.:** 56 **Cell:** (Å, °) α 90.00 β 90.00 γ 90.00

**R-Factor (%):** 5.40 **Temperature(K):** 294 **Density(g/cm<sup>3</sup>):** 1.441



## PILHUO

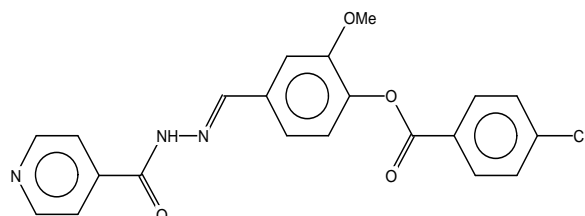
**Reference:** Jian-Rong Han, Hui-Jun Wang, Xiao-Li Zhen, Xia Tian (2007) *Acta Crystallogr., Sect. E: Struct. Rep. Online* ,**63**, o4013

**Formula:** C<sub>21</sub>H<sub>16</sub>Cl<sub>1</sub>N<sub>3</sub>O<sub>4</sub>

**Compound Name:** (E)-N-(4-(4-Chlorobenzoyloxy)-3-methoxybenzylidene)isonicotinohydrazide

**Space Group:** P2<sub>1</sub>/c **Cell:** a 21.746(6) b 12.011(3) c 7.700(2)  
**Space Group No.:** 14 **Cell:** (Å, °) α 90.00 β 99.47(0) γ 90.00

**R-Factor (%):** 4.29 **Temperature(K):** 294 **Density(g/cm<sup>3</sup>):** 1.372



## PILNAA

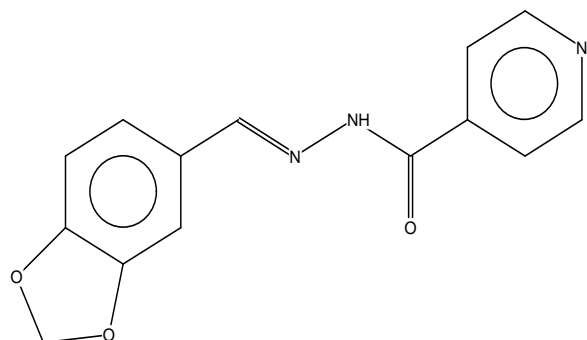
**Reference:** Zhi-gang Yin, Heng-yu Qian, Feng Yu-li, Chen Yu-zhen (2007) *Acta Crystallogr., Sect. E: Struct. Rep. Online* ,**63**, o4109

**Formula:** C<sub>14</sub>H<sub>11</sub>N<sub>3</sub>O<sub>3</sub>

**Compound Name:** (E)-N-(1,3-Benzodioxol-5-ylmethylene)isonicotinohydrazide

**Space Group:** P-1 **Cell:** a 7.919(1) b 10.955(2) c 15.479(3)  
**Space Group No.:** 2 **Cell:** (Å, °) α 78.88(3) β 80.11(3) γ 69.08(3)

**R-Factor (%):** 8.30 **Temperature(K):** 298 **Density(g/cm<sup>3</sup>):** 1.462



# Search: search1 (Wed Apr 10 17:21:31 2019): Hits 33-36

## PUFNEK

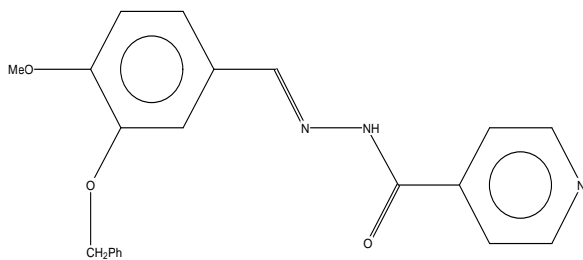
**Reference:** H.S.Naveenkumar, A.Sadikun, P.Ibrahim, W.-S.Loh, H.-K.Fun (2009) *Acta Crystallogr., Sect.E:Struct.Rep.Online* ,65,02540

**Formula:** C<sub>21</sub> H<sub>19</sub> N<sub>3</sub> O<sub>3</sub>

**Compound Name:** (E)-N'-(3-Benzyloxy-4-methoxybenzylidene)isonicotinohydrazide

**Space Group:** P21/c **Cell:** a 18.393(0) b 11.557(0) c 8.351(0)  
**Space Group No.:** 14 **(Å, °)** α 90.00 β 93.44(0) γ 90.00

**R-Factor (%):** 6.00 **Temperature(K):** 100 **Density(g/cm<sup>3</sup>):** 1.355



## PUHCEB

**Reference:** Z.Shafiq, M.Yaqub, M.N.Tahir, A.Hussain, M.S.Iqbal (2009) *Acta Crystallogr., Sect.E:Struct.Rep.Online* ,65,02899

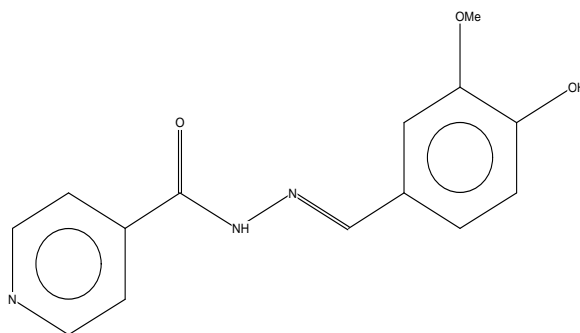
**Formula:** C<sub>14</sub> H<sub>13</sub> N<sub>3</sub> O<sub>3</sub>

**Compound Name:** N'-[(E)-4-Hydroxy-3-methoxybenzylidene]pyridine-4-carbohydrazide

**Synonym:** N'-(4-Hydroxy-3-methoxybenzylidene)isonicotinohydrazide

**Space Group:** Cc **Cell:** a 14.854(1) b 12.494(0) c 7.716(0)  
**Space Group No.:** 9 **(Å, °)** α 90.00 β 116.72(0) γ 90.00

**R-Factor (%):** 3.35 **Temperature(K):** 296 **Density(g/cm<sup>3</sup>):** 1.409



## RAVRUB

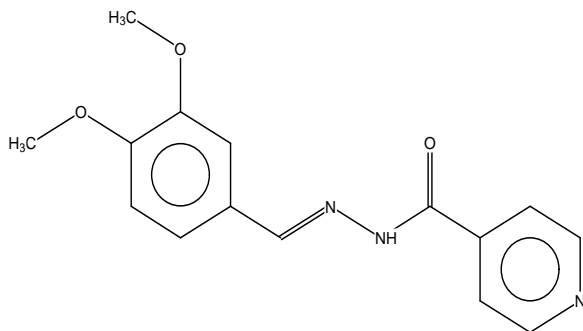
**Reference:** Wei Chen, X.Zhang, B.Shan, X.You (1997) *Acta Crystallogr., Sect.C:Cryst.Struct.Commun.* ,53,775

**Formula:** C<sub>15</sub> H<sub>15</sub> N<sub>3</sub> O<sub>3</sub>

**Compound Name:** 3,4-Dimethoxybenzaldehyde isonicotinoylhydrazone

**Space Group:** P21/c **Cell:** a 11.810(1) b 13.804(0) c 8.925(1)  
**Space Group No.:** 14 **(Å, °)** α 90.00 β 101.32(0) γ 90.00

**R-Factor (%):** 5.95 **Temperature(K):** 295 **Density(g/cm<sup>3</sup>):** 1.328



## RIHQEG

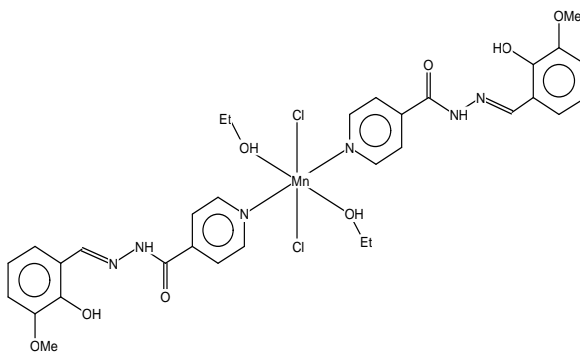
**Reference:** H.Hosseini-Monfared, R.Bikas, Joaquin Sanchiz, Tadeusz Lis, M.Siczek, Jiri Tucek, R.Zboril, P.Mayer (2013) *Polyhedron* ,61,45

**Formula:** C<sub>32</sub> H<sub>38</sub> Cl<sub>2</sub> Mn<sub>1</sub> N<sub>6</sub> O<sub>8</sub>

**Compound Name:** trans-dichloro-bis(N'-((2-hydroxy-3-methoxyphenyl)methylene)isonicotinohydrazide)-bis(ethanol)-manganese(ii)

**Space Group:** P-1 **Cell:** a 8.222(3) b 8.918(3) c 12.458(4)  
**Space Group No.:** 2 **(Å, °)** α 69.33(5) β 89.78(5) γ 74.71(5)

**R-Factor (%):** 4.56 **Temperature(K):** 100 **Density(g/cm<sup>3</sup>):** 1.539



# Search: search1 (Wed Apr 10 17:21:31 2019): Hits 37-40

## RISHIL

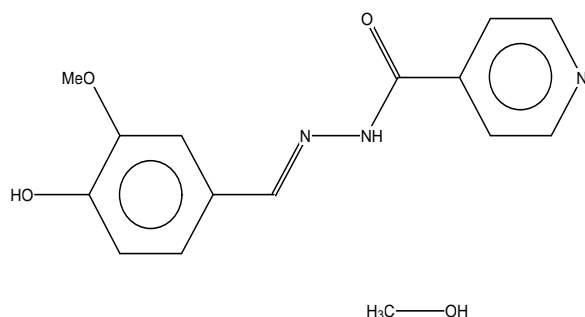
**Reference:** Xia Liu, Xue-Fang Shi (2007)  
*Acta Crystallogr., Sect. E: Struct. Rep. Online* ,63,o4807

**Formula:** C<sub>14</sub> H<sub>13</sub> N<sub>3</sub> O<sub>3</sub> · C<sub>1</sub> H<sub>4</sub> O<sub>1</sub>

**Compound Name:** N'-(4-Hydroxy-3-methoxybenzylidene)isonicotinohydrazide methanol solvate

**Space Group:** P2<sub>1</sub>/c **Cell:** a 13.274(1) b 6.379(0) c 17.538(1)  
**Space Group No.:** 14 **(Å, °)** α 90.00 β 105.15(0) γ 90.00

**R-Factor (%):** 4.45 **Temperature(K):** 113 **Density(g/cm<sup>3</sup>):** 1.406



## ROFXIU

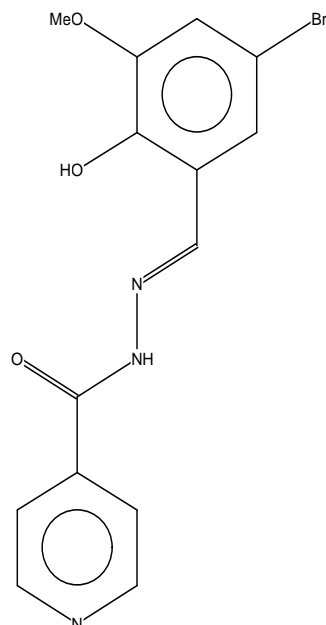
**Reference:** San-Jun Peng, Hai-Yun Hou (2008)  
*Acta Crystallogr., Sect. E: Struct. Rep. Online* ,64,o1995

**Formula:** C<sub>14</sub> H<sub>12</sub> Br<sub>1</sub> N<sub>3</sub> O<sub>3</sub>

**Compound Name:** N'-(5-Bromo-2-hydroxy-3-methoxybenzylidene)isonicotinohydrazide

**Space Group:** P2<sub>1</sub>/c **Cell:** a 7.494(0) b 15.884(1) c 11.799(1)  
**Space Group No.:** 14 **(Å, °)** α 90.00 β 99.78(0) γ 90.00

**R-Factor (%):** 3.04 **Temperature(K):** 298 **Density(g/cm<sup>3</sup>):** 1.680



## URIKAJ

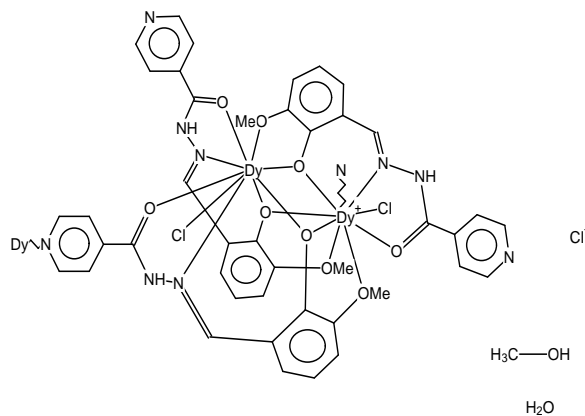
**Reference:** E.Loukopoulos, K.Griffiths, G.R.Akien, N.Kourkoumelis,  
A.Abdul-Sada, G.E.Kostakis (2015) *Inorganics* ,3,448

**Formula:** (C<sub>42</sub> H<sub>36</sub> Cl<sub>2</sub> Dy<sub>2</sub> N<sub>9</sub> O<sub>9</sub><sup>1+</sup>)n.n(Cl<sub>1</sub><sup>1-</sup>).n(C<sub>1</sub> H<sub>4</sub> O<sub>1</sub>).6n(H<sub>2</sub> O<sub>1</sub>)

**Compound Name:** catena-[tris(μ-N'-(2-oxy-3-methoxybenzylidene)isonicotinohydrazide)-dichloro-di-dysprosium chloride methanol solvate hexahydrate]

**Space Group:** P2<sub>1</sub>/n **Cell:** a 14.287(0) b 19.984(0) c 20.064(0)  
**Space Group No.:** 14 **(Å, °)** α 90.00 β 101.86(0) γ 90.00

**R-Factor (%):** 4.52 **Temperature(K):** 173 **Density(g/cm<sup>3</sup>):** 1.638



## URIKEN

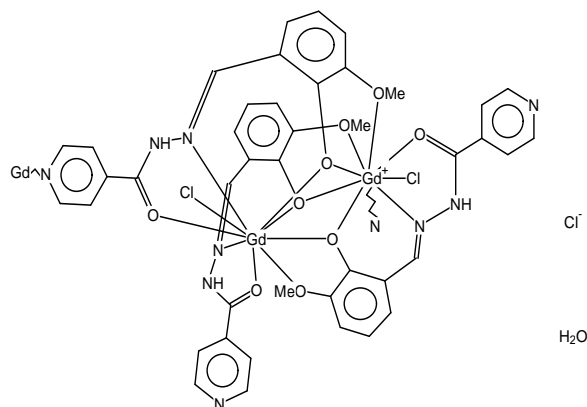
**Reference:** E.Loukopoulos, K.Griffiths, G.R.Akien, N.Kourkoumelis,  
A.Abdul-Sada, G.E.Kostakis (2015) *Inorganics* ,3,448

**Formula:** (C<sub>42</sub> H<sub>36</sub> Cl<sub>2</sub> Gd<sub>2</sub> N<sub>9</sub> O<sub>9</sub><sup>1+</sup>)n.n(Cl<sub>1</sub><sup>1-</sup>).6n(H<sub>2</sub> O<sub>1</sub>)

**Compound Name:** catena-[tris(μ-N'-(2-oxy-3-methoxybenzylidene)isonicotinohydrazide)-dichloro-di-gadolinium chloride hexahydrate]

**Space Group:** P2<sub>1</sub>/n **Cell:** a 14.218(3) b 20.386(4) c 20.455(4)  
**Space Group No.:** 14 **(Å, °)** α 90.00 β 101.98(1) γ 90.00

**R-Factor (%):** 6.08 **Temperature(K):** 173 **Density(g/cm<sup>3</sup>):** 1.534



# Search: search1 (Wed Apr 10 17:21:31 2019): Hits 41-44

## URIKIR

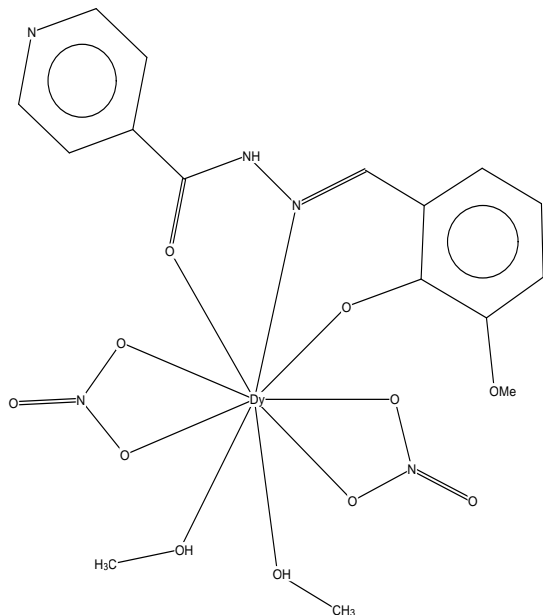
**Reference:** E.Loukopoulos, K.Griffiths, G.R.Akien, N.Kourkoumelis, A.Abdul-Sada, G.E.Kostakis (2015) *Inorganics*, **3**,448

**Formula:** C<sub>16</sub> H<sub>20</sub> Dy<sub>1</sub> N<sub>5</sub> O<sub>11</sub>

**Compound Name:** bis(nitrato)-(N'-(2-oxy-3-methoxybenzylidene)isonicotinohydrazido)-bis(methanol)-dysprosium

**Space Group:** P-1      **Cell:**    a 10.342(0)    b 14.585(0)    c 15.731(0)  
**Space Group No.:** 2      **(Å, °)**    α 95.67(0)    β 95.38(0)    γ 109.77(0)

**R-Factor (%):** 3.10      **Temperature(K):** 173      **Density(g/cm<sup>3</sup>):** 1.873



## URIKOX

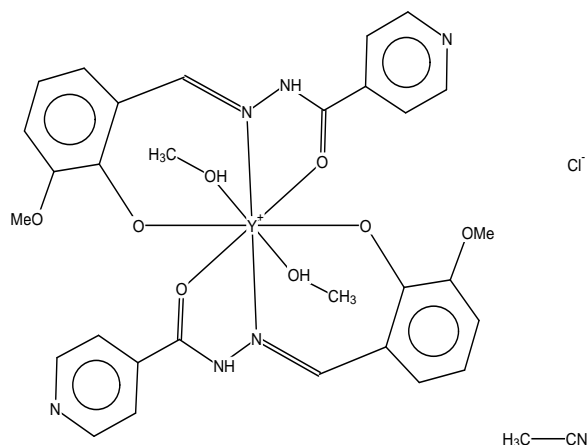
**Reference:** E.Loukopoulos, K.Griffiths, G.R.Akien, N.Kourkoumelis, A.Abdul-Sada, G.E.Kostakis (2015) *Inorganics*, **3**,448

**Formula:** C<sub>30</sub> H<sub>32</sub> N<sub>6</sub> O<sub>8</sub> Y<sub>1</sub> 1+, C<sub>2</sub> H<sub>3</sub> N<sub>1</sub> Cl<sub>1</sub> 1-

**Compound Name:** bis(N'-(2-oxy-3-methoxybenzylidene)isonicotinohydrazido)-bis(methanol)-yttrium(iii) chloride acetonitrile solvate

**Space Group:** P21/c      **Cell:**    a 12.290(0)    b 15.467(1)    c 18.778(1)  
**Space Group No.:** 14      **(Å, °)**    α 90.00      β 100.09(0)    γ 90.00

**R-Factor (%):** 5.24      **Temperature(K):** 100      **Density(g/cm<sup>3</sup>):** 1.455



## VACHAK

**Reference:** H.Kargar, R.Kia, M.Akkurt, O.Buyukgungor (2010) *Acta Crystallogr., Sect.E: Struct. Rep. Online*, **66**,o2982

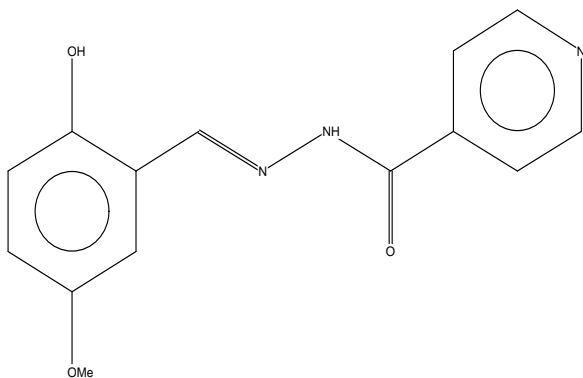
**Formula:** C<sub>14</sub> H<sub>13</sub> N<sub>3</sub> O<sub>3</sub>

**Compound Name:** N'-[(E)-2-Hydroxy-5-methoxybenzylidene]pyridine-4-carbohydrazide

**Synonym:** N'-(2-Hydroxy-5-methoxybenzylidene)isonicotinohydrazide

**Space Group:** Cc      **Cell:**    a 6.111(0)    b 29.489(3)    c 7.482(0)  
**Space Group No.:** 9      **(Å, °)**    α 90.00      β 96.70(0)    γ 90.00

**R-Factor (%):** 4.61      **Temperature(K):** 296      **Density(g/cm<sup>3</sup>):** 1.345



## VAKBOA

**Reference:** Po-Heng Lin, S.Gorelsky, D.Savard, T.J.Burchell, W.Wernsdorfer, R.Clerac, M.Murugesu (2010) *Dalton Trans.*, **39**,7650

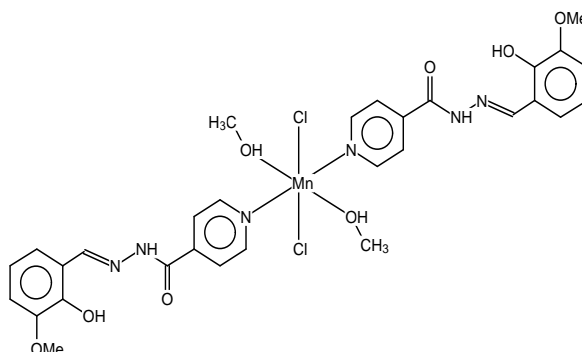
**Formula:** C<sub>30</sub> H<sub>34</sub> Cl<sub>2</sub> Mn<sub>1</sub> N<sub>6</sub> O<sub>8</sub>

**Compound Name:** Dichloro-bis(N'-(2-hydroxy-3-methoxybenzylidene)isonicotinohydrazide-N)-bis(methanol)-manganese(ii)

**Synonym:** Dichloro-bis(N'-((2-hydroxy-3-methoxyphenyl)methylidene)pyridine-4-carbohydrazide-N)-bis(methanol)-manganese(ii)

**Space Group:** P-1      **Cell:**    a 7.887(1)    b 8.980(1)    c 12.543(2)  
**Space Group No.:** 2      **(Å, °)**    α 69.36(0)    β 76.85(0)    γ 77.74(0)

**R-Factor (%):** 4.08      **Temperature(K):** 202      **Density(g/cm<sup>3</sup>):** 1.519



# Search: search1 (Wed Apr 10 17:21:31 2019): Hits 45-48

## WEVXOL

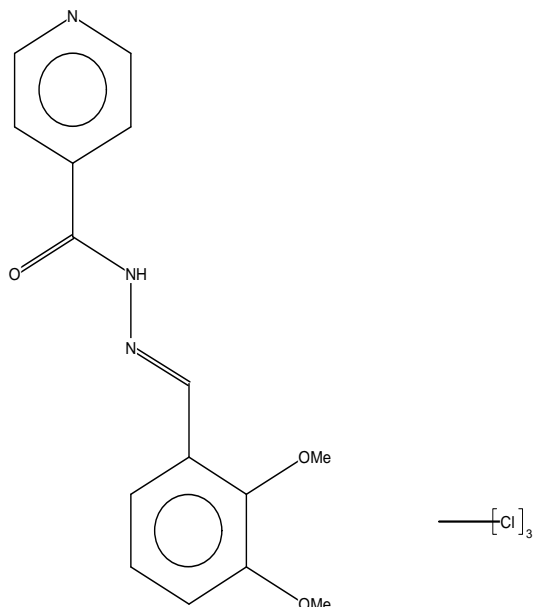
**Reference:** M.A.Peralta, M.N.V.de Souza, S.M.S.V.Wardell, J.L.Wardell, J.N.Low, C.Glidewell (2007) *Acta Crystallogr., Sect.C:Cryst.Struct Commun.*, **63**,068

**Formula:** C<sub>15</sub>H<sub>15</sub>N<sub>3</sub>O<sub>3</sub>Cl<sub>1</sub>H<sub>1</sub>Cl<sub>3</sub>

**Compound Name:** 2,3-Dimethoxybenzaldehyde isonicotinoylhydrazone chloroform solvate

**Space Group:** P21/n **Cell:** a 12.740(0) b 10.860(0) c 13.919(0)  
**Space Group No.:** 14 **(Å, °)** α 90.00 β 110.73(0) γ 90.00

**R-Factor (%):** 4.09 **Temperature(K):** 120 **Density(g/cm<sup>3</sup>):** 1.492



## WEVXUR

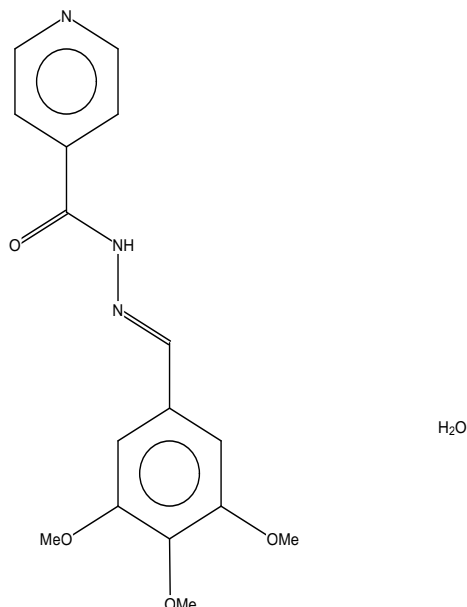
**Reference:** M.A.Peralta, M.N.V.de Souza, S.M.S.V.Wardell, J.L.Wardell, J.N.Low, C.Glidewell (2007) *Acta Crystallogr., Sect.C:Cryst.Struct Commun.*, **63**,068

**Formula:** C<sub>16</sub>H<sub>17</sub>N<sub>3</sub>O<sub>4</sub>·H<sub>2</sub>O<sub>1</sub>

**Compound Name:** 3,4,5-trimethoxybenzaldehyde isonicotinoylhydrazone monohydrate

**Space Group:** P21/c **Cell:** a 10.808(0) b 10.360(0) c 14.427(0)  
**Space Group No.:** 14 **(Å, °)** α 90.00 β 95.28(0) γ 90.00

**R-Factor (%):** 4.71 **Temperature(K):** 120 **Density(g/cm<sup>3</sup>):** 1.377



## WISKEQ

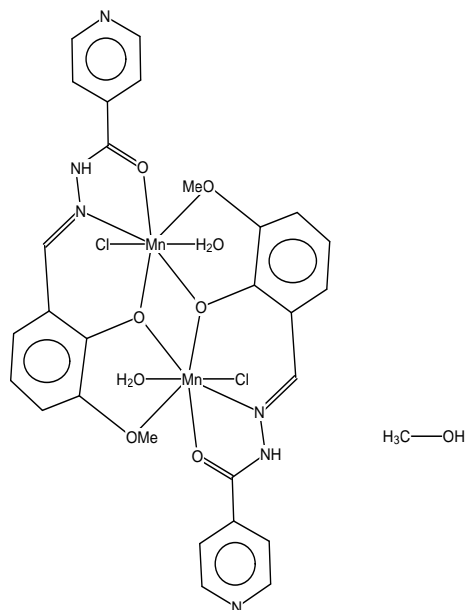
**Reference:** Jun Xu (2013) *Synth.React.Inorg.,Met.-Org.,Nano-Met.Chem.*, **43**,1329

**Formula:** C<sub>28</sub>H<sub>28</sub>Cl<sub>2</sub>Mn<sub>2</sub>N<sub>6</sub>O<sub>9</sub>·2(C<sub>1</sub>H<sub>4</sub>O<sub>1</sub>)

**Compound Name:** bis(μ<sub>2</sub>-N'-(2-oxido-3-(methoxy)benzylidene)isonicotinohydrazido)-diaqua-dichloro-di-manganese(II) methanol solvate

**Space Group:** P21/n **Cell:** a 9.498(0) b 12.136(1) c 15.341(1)  
**Space Group No.:** 14 **(Å, °)** α 90.00 β 96.27(0) γ 90.00

**R-Factor (%):** 2.64 **Temperature(K):** 298 **Density(g/cm<sup>3</sup>):** 1.552



## YIQFIO

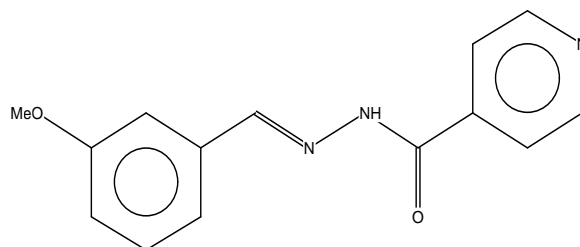
**Reference:** S.M.S.V.Wardell, M.V.N.de Souza, J.L.Wardell, J.N.Low, C.Glidewell (2007) *Acta Crystallogr., Sect.B:Struct.Sci.*, **63**,879

**Formula:** C<sub>14</sub>H<sub>13</sub>N<sub>3</sub>O<sub>2</sub>

**Compound Name:** (E)-N-isonicotinoyl 3-methoxybenzaldehydehydrazone

**Space Group:** P21/n **Cell:** a 8.294(0) b 11.077(0) c 13.846(5)  
**Space Group No.:** 14 **(Å, °)** α 90.00 β 103.48(0) γ 90.00

**R-Factor (%):** 4.74 **Temperature(K):** 120 **Density(g/cm<sup>3</sup>):** 1.371



# Search: search1 (Wed Apr 10 17:21:31 2019): Hits 49-51

## YIQFUA

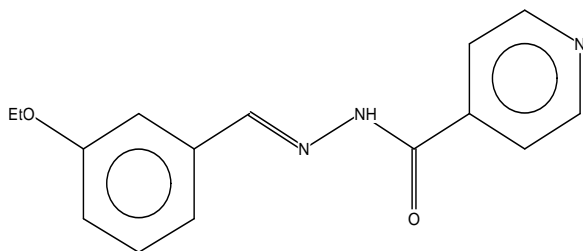
**Reference:** S.M.S.V.Wardell, M.V.N.de Souza, J.L.Wardell, J.N.Low, C.Glidewell (2007) *Acta Crystallogr., Sect.B: Struct.Sci.* **63**,879

**Formula:** C<sub>15</sub> H<sub>15</sub> N<sub>3</sub> O<sub>2</sub>

**Compound Name:** N-isonicotinoyl 3-ethoxybenzaldehydehydrazone

**Space Group:** P21/c **Cell:** a 24.206(1) b 5.564(0) c 9.957(0)  
**Space Group No.:** 14 **(Å, °)** α 90.00 β 94.97(0) γ 90.00

**R-Factor (%):** 6.86 **Temperature(K):** 120 **Density(g/cm<sup>3</sup>):** 1.339



## ZARHIL

**Reference:** Chun-Hua Diao, Zhi Fan (2012) *Acta Crystallogr., Sect.E: Struct. Rep. Online* **68**,o1517

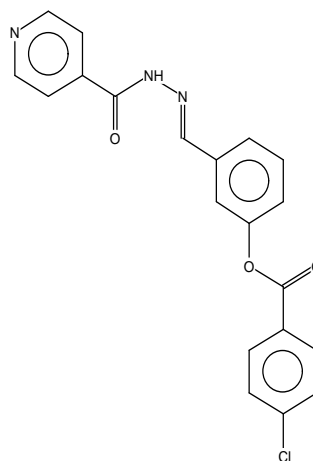
**Formula:** C<sub>20</sub> H<sub>14</sub> Cl<sub>1</sub> N<sub>3</sub> O<sub>3</sub>·C<sub>2</sub> H<sub>4</sub> O<sub>2</sub>·H<sub>2</sub> O<sub>1</sub>

**Compound Name:** (E)-N-[3-(4-Chlorobenzoyloxy)benzylidene]pyridine-4-carbohydrazide acetic acid solvate monohydrate

**Synonym:** 3-(Isonicotinoylcarbohydrazonoyl)phenyl 4-chlorobenzoate acetic acid monohydrate

**Space Group:** P-1 **Cell:** a 6.667(1) b 7.544(1) c 24.781(6)  
**Space Group No.:** 2 **(Å, °)** α 81.53(0) β 82.97(0) γ 66.63(0)

**R-Factor (%):** 4.30 **Temperature(K):** 294 **Density(g/cm<sup>3</sup>):** 1.347



HO—COMe

H<sub>2</sub>O

## ZUVXAR

**Reference:** A.O.Surov, A.P.Voronin, A.A.Simagina, A.V.Churakov, Sophia Y.Skachilova, G.L.Perlovich (2015) *New J.Chem.* **39**,8614

**Formula:** C<sub>14</sub> H<sub>14</sub> N<sub>3</sub> O<sub>3</sub><sup>1+</sup>·C<sub>7</sub> H<sub>4</sub> N<sub>1</sub> O<sub>3</sub> S<sub>1</sub><sup>1-</sup>

**Compound Name:** Isoniazid saccharinate

**Space Group:** P21/n **Cell:** a 6.190(0) b 26.105(4) c 12.402(1)  
**Space Group No.:** 14 **(Å, °)** α 90.00 β 100.46(0) γ 90.00

**R-Factor (%):** 4.63 **Temperature(K):** 173 **Density(g/cm<sup>3</sup>):** 1.532

