



STRUCTURAL SCIENCE
CRYSTAL ENGINEERING
MATERIALS

Volume 78 (2022)

Supporting information for article:

Pervasive approximate periodic symmetry in organic *P1* structures

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Lists of the structures for which drawings are provided

1. Alphabetical list

ADMPOT10	EVOREM	LOFJOF	SEMBAP	ZUWDIG
AFONUY	EYOLAG	LONJEG	SEYNOB	ZZZVXQ06
AJOVIG	FETDIS	LUSMAN	SITFEH	
ASOGOE	FIYPEI	MASDOA	SOXMAW	
ATUTOA	FOYZUO	MEDNAM	SUYLEF	
AZALIY	FUXYUS	MEMBAK	TOJRAM	
BAPGIK	FUZTIE	MIZQAO01	TOLRUK	
BENVIC	GEGYAV	MMANCN	TUHWAW	
BIHVUJ	GESYUA	MODWAE	TUXLIJ	
BILJIR01	GIPLID	MOMVOA	UCIYUAI	
BINHEO	GOCQAT	NADREQ	UJADOZ	
BISREC	GOFTIF	NIXDOQ	UKOBIG	
BIVLIC	GOJLEZ	NIYQIY	ULUHUE	
BIXHAS	GUVROF	NOLFIF	UQEVIX	
BIZPAE	GUWJIS	OFEFOW	VEHDEU	
BUPCAS	HIBTES	OKATID	VEYXAY	
CAKHIF	HINKUN	OQIJEF	VIHTUD	
CAKQUC	HIYDEZ	PACVEX	VOJXEA	
CANBEB	HOCYAZ	PANFOA	VOMFOS	
CEFKAA	HOCYEG	PAPDER	WAXLEM	
CEGPIN	IBIJAF01	PAPLAU	WEYZOQ	
CEHYEW	ICUGIY	PAXNIL02	WIYSAZ	
CICTIT	IDUYAK	PAXTIS	WOYSEI	
CIFGEE	IHOXUY	PEQGAU	WUKYIL	
CIMCIN	INAGAH	PIVZAW	WULSUS	
CIQFOY	ITAVOQ	PMNTBZ01	XEFNAX	
CUWBIG	IXOJAG	POGKEB	XEQTUI	
DIDREO	IYAVEK	POPGUW	XEVCEJ	
DIWGAS01	JEMHEP	PUYPAC	XIKMAG	
DIWGEW	JIRDAP	QACCII	XITGAK	
DIWGIA	JULTUF01	QACXUN	XOZSIQ	
DMTCUN10	JUSZOO	QAHSEA	XUQJOJ	
DOXHII	JUVREZ	QANJIZ	YACTEC01	
DUNDOH	KADMIL	QAXCUQ	YALWIS	
DUNHAW	KITGEB	QEFRAX	YEMCUO01	
EABHIY	KOVBIG	QUBPIN	YIKWAT	
EBEPEJ	KUSVEZ03	QUSQOL	YONVOM	
EGOTOK	LAQFOZ	RAKBUC	YULFIV	
EGOZIK	LEFPAO	REBNAP	ZEBVEJ	
EMEHUG	LESMEC	REJSUU	ZIYNAW	
EPIYUY	LEYXET	RIGSEF	ZODHIL	
ESOPIM	LIHLUL	ROJZIB		

2. List organized by category

Structures with approximate $P\bar{1}$ symmetry; enantiopure mimics are starred

(inversion symmetry is necessarily 3-D)

ASOGOE**	MIZQAO01**
BENVIC**	MODWAE**
BIXHAS**	NIXDOQ**
DIWGAS01; DIWGEW; DIWGIA (1 pg)	OKATID**
DUNDOH	PACVEX**
EYOLAG**	PAPDER
FIYPEI**	PAXTIS**
GOFTIF**	RIGSEF
GOJLEZ	SUYLEF**
HIYDEZ**	TUHWAW**
ICUGIY**	VEYXAY**
LESMEC**	VIHTUD**
LEYXET**	XOZSIQ**
LIHLUL**	

Structures with approximate glide symmetry(e.g., $Cc/Ia, pb11, p11a$); enantiopure mimics are starred

3-D approximate symmetry

MEDNAM**
UQEVIX**

2-D approximate symmetry

KUSVEZ03
XEFNAX

1-D approximate symmetry

CEGPIN**

Structures with an approximate mirror (all are $p11m$) (all are achiral)

2-D approximate symmetry

FETDIS	PMNTBZ01
HOCYAZ	YALWIS

Structures with approximate 2 and 2₁ axes that are parallel (e.g., C₂, c₂₁₁)

3-D approximate symmetry

CIQFOY
SITFEH**
XEVCEJ

2-D approximate symmetry

BILJIR01	POGKEB
BISREC	POPGUW
CUWBIG	QAHSEA
DMTCUN10	QAXCUQ
FUZZIE	ROJZIB
GESYUA	SEMBAP
GUWJIS	UKOBIG
LOFJOF	ZIYNAW
LUSMAN	CANBEB; ITAVOQ; JUVREZ (1 pg)
MMANCN	QANJIZ; TUXLIJ (1 pg)
PANFOA	

Structures with approximate 2₁ and 3₁ axes (P₃₁, P₂₁, p₂₁₁)

3-D approximate symmetry

JULTUF01	NIYQIY
KITGEB	DIDREO; EGOZIK; KADMIL (1 pg)
LAQFOZ	

2-D approximate symmetry

DUNHAW	WOYSEI
GOCQAT	CEFCAA; ESOPIM; INAGAH (1 pg)
LEFPAO	OFEFOW; REJSUU; WULSUS (1 pg)
UCIYUAI	

Structure with an approximate translation

(translational symmetry is necessarily 3-D)

ATUTOA

Structures with more than one type of approximate symmetry; enantiopure mimics are starred

3-D approximate symmetry

BAPGIK**	(<i>Im</i>)	QACCII	(<i>P622</i>)
BIZPAE**	(<i>P2_{1/a}</i>)	WEYZOQ	(<i>C2, c'=[111]/2</i>)
BUPCAS**	(<i>P$\bar{1}$, c'=c/2</i>)	XEQTUI	(<i>P$\bar{1}$, a'=[111]/2</i>)
IYAVEK	(<i>P2₁, b'=[1$\bar{1}$0]/2</i>)	ZEBVEJ	(<i>P2₁₂₁₂</i>)

2-D approximate symmetry

AZALIY	(<i>p321</i>)	PUYPAC	(<i>cm11</i>)
BIHVUJ	(<i>p2₁₂₁₂</i>)	QEFRA**	(<i>pb2_{1m}</i>)
BIVLIC	(<i>p222</i>)	QUBPIN	(<i>pba2</i>)
CIMCIN**	(<i>p2_{1/b11}</i>)	RAKBUC	(<i>p2₁₂₁₂, b'=b/2</i>)
DOXHIJ	(<i>cm11</i>)	UJADOZ	(<i>p2₁₂₂</i>)
KOVBIG	(<i>pb2_{1a}</i>)	VEHDEU	(<i>pb2_{1a}</i>)
LONJEG**	(<i>pb2_{1a}</i>)	YONVOM	(<i>p112</i>)

Structures with *alternating layers*; enantiopure mimics are starred

(the approximate symmetry is necessarily 2-D)

CEHYEW	HOCYEG
CICTIT	IBIJAF01
CIFGEE	QACXUN**
EVOREM	TOJRAM
FUXYUS	TOLRUK**
GIPLID	WIYSAZ
GUVROF	YEMCUO01
HINKUN	ZZZVXQ06

Structures with *hybrid packing*

(the approximate symmetry is necessarily 2-D)

BINHEO	QUSQOL
EGOTOK	REBNAP
JEMHEP	CAKQUC; IXOJAG; MASDOA (1 pg)
PAXNIL02	VOMFOS; WAXLEM; YACTEC01 (1 pg)

Structures with approximate symmetry that is borderline; enantiopure mimics are starred

3-D approximate symmetry

ADMPO10	borderline <i>C2</i>	GEGYAV	borderline <i>F2 (i.e., I2)</i>
AFONUY	borderline <i>P2₁₂₁₂₁</i>	IHOXUY	borderline <i>P2₁₂₁₂</i>
AJOVIG**	borderline <i>P$\bar{1}$</i>	JUSZOO**	borderline <i>P$\bar{1}$</i>
CAKHIF	<i>P2₁ or hybrid packing?</i>	MEMBAK**	<i>P$\bar{1}$ mimic or p2₁₁₁?</i>
EBEPEJ	translation or 1-D <i>2₁?</i>	MOMVOA	borderline <i>P3₁</i>
EPIYUY	borderline <i>C2</i>	NOLFIF**	borderline <i>P$\bar{1}$</i>

PAPLAU** 2-D $c211$ or 3-D $C2$?
ULUHUE borderline $C2$
VOJXEA borderline $P2_1$

WUKYIL** borderline $P\bar{1}$
YIKWAT** $P\bar{1}$ or translation?
YULFIV borderline $C2$

2-D approximate symmetry

EABHIY borderline $c211$
EMEHUG borderline $p112$
FOYZUO borderline $c211$
HIBTES borderline $p2_111$
IDUYAK borderline $c211$
JIRDAP borderline $c211$
NADREQ borderline $c211$
OQIJEF borderline $cm11$
PEQGAU borderline $c211$

PIVZAW borderline $p2_111$
SEYNOB borderline $c211$
SOXMAW borderline $c222$
XIKMAG borderline $c211$
XITGAK borderline $p2_111$
XUQJOJ borderline $c211$
ZODHIL borderline $c211$
ZUWDIG borderline $c211$