PubChem CID	RI	Name	Formula	InChI Key	CAS	reference
6500	1,425	Tabun GA	$C_5H_{11}N_2O_2P$	PJVJTCIRVMBVIA-UHFFFAOYSA-N	77-81-6	*O'Neil, M.J. (ed.). The Merck Index - An Encyclopedia of Chemicals, Drugs, and Biologicals. Whitehouse Station, NJ: Merck and Co., Inc., 2006., p. 1549*
7305	1,394	Soman GD	$C_7H_{16}FO_2P$	GRXKLBBBQUKJJZ-UHFFFAOYSA-N	96-64-0	Look for chemicals
7305	1,4068	Soman GD	$C_7H_{16}FO_2P$	GRXKLBBBQUKJJZ-UHFFFAOYSA-N	96-64-0	J.-M. Theriault and J. O. Jensen, *Spectral Sensing Research For Surface And Air Monitoring In Chemical, Biological And Radiological Defense And Security Applications* . World Scientific Publishing Company, 2009.
7871	1,366	Sarin GB	$C_4H_{10}FO_2P$	DYAHQFWOVKZOOW-UH	107-44-8	Chemspider
7871	1,3811	Sarin GB	$C_4H_{10}FO_2P$	DYAHQFWOVKZOOW-UH	107-44-8	J.-M. Theriault and J. O. Jensen, *Spectral Sensing Research For Surface And Air Monitoring In Chemical, Biological And Radiological Defense And Security Applications* . World Scientific Publishing Company, 2009.
10461	1,5313	Sulfur Mustard HD	$C_4H_8Cl_2S$	QKSKPIVNLNLAAV-UHFFF	505-60-2	J.-M. Theriault and J. O. Jensen, *Spectral Sensing Research For Surface And Air Monitoring In Chemical, Biological And Radiological Defense And Security Applications* . World Scientific Publishing Company, 2009.
10461	1,5318	Sulfur Mustard HD	$C_4H_8Cl_2S$	QKSKPIVNLNLAAV-UHFFF	505-60-2	*Haynes, W.M. (ed.) CRC Handbook of Chemistry and Ph*

12958	1,4099	DMMP	C3H9O3P	VONWDASPFIQPDY-UHFFFAOYSA-N	756-79-6	Lide, D.R. CRC Handbook of Chemistry and Physics 86TH Edition 2005-2006. CRC Press, Taylor & Francis, Boca Raton, FL 2005, p. 3-202
12958	1,413	DMMP	C3H9O3P	VONWDASPFIQPDY-UHFFFAOYSA-N	756-79-6	***Online Database of Chemicals from Around the World***
24813	1,46	TCPO	Cl3OP	XHXFXVLFKHQFAL-UHFFF	*10025-87-3*	*Lewis, R.J. Sr.; Hawley's Condensed Chemical Dictionary*
		Cyclosarin GF	$C_7H_{14}FO_2P$			J.-M. Theriault and J. O. Jensen, *Spectral Sensing Research For Surface And Air Monitoring In Chemical, Biological And Radiological Defense And Security Applications* . World Scientific Publishing Company, 2009.
64505	1,433			SNTRKUOVAPUGAY-UHFI	329-99-7	
		TMPO	C3H9OP		676-96-0	
69609	1,364			LRMLWYXJORUTBG-UHFF		Chemnet, Guidechem, J.-M. Theriault and J. O. Jensen, *Spectral Sensing Research For Surface And Air Monitoring In Chemical, Biological And Radiological Defense And Security Applications* . World Scientific Publishing Company, 2009.
		Agent VX	$C_{11}H_{26}NO_2PS$			
178033	1,4802			MNLAVFKVRUQAKW-UHI	50782-69-9	

5372798	1,589	Lewisite L	$C_2H_2AsCl_3$	GIKLTQKNOXNBNY-OWC	541-25-3	J.-M. Theriault and J. O. Jensen, *Spectral Sensing Research For Surface And Air Monitoring In Chemical, Biological And Radiological Defense And Security Applications* . World Scientific Publishing Company, 2009.
5372798	1,617	Lewisite L	$C_2H_2AsCl_3$	GIKLTQKNOXNBNY-OWC	541-25-3	Chemical book
5561	1,485	HN3 nitrogen mustard	(ClC2H4)3N	FDAYLTPAFBGXAB-UHFFF	555-77-1	J.-M. Theriault and J. O. Jensen, *Spectral Sensing Research For Surface And Air Monitoring In Chemical, Biological And Radiological Defense And Security Applications* . World Scientific Publishing Company, 2009.

ref link	comment
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https://www.lookchem.com/SOMAN/	
	589nm, room temperature
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	589nm, room temperature
	589nm, room temperature
https://pubchem.ncbi.nlm.nih.gov/compound/10461#section=Kovats-Retention-Index	room temperature

https://pubchem.ncbi.nlm.nih.gov/compound/12958#section=Kovats-Retention-Index	room temperature
https://www.chemblink.com/products/756-79-6.htm	
https://pubchem.ncbi.nlm.nih.gov/compound/24813	room temperature
http://www.chemnet.com/cas/en/676-96-0/trimethylphosphine-oxide.html https://www.guidechem.com/dictionary/en/676-96-0.html	589nm, room temperature
	589nm, room temperature

589nm, room temperature

http://www.chemicalbook.com/ChemicalProductProperty_EN_CB21356184.htm

589nm, room temperature