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Typical Product Specifications & Properties

Calcium Arsenate (As As)

CAS Number: : 7778-44-1

Specifications	Limits
Molecular weight	398.07
EINECS	231-904-5
Form	Powder
Water solubility	It is soluble in water and acids, insoluble in organic solvents
Color	White
Density	3,62 g/cm ³
RTECS	CG0830000
Molecular weight	224.15
EINECS	232-095-1
SMILES	<chem>P(O)(C(=O)OC)C(=O)OC</chem>
InChI	1S/C7H13O6P/c1-6(5-7(8)10-2)13-14(9,11-3)12-4/h5H,1-4H3/b6-5+
InChIKey	GEPDYQSQVLXLEU-AATRIKPKSA-N



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Specifications	Limits
log P (octanol-water)	0.13
Vapor Pressure	1.28E-04 mm Hg
Melting Point	13.95 ° C
Henry's Law Constant	6.39E-11 atm-m ³ /mole
Water solubility	6.00E+05 mg/L
Atmospheric OH Rate Constant	3.63E-11 cm ³ /molecule-sec
Molecular weight	456.54
EINECS	201-107-7
SMILES	<chem>P(=S)(SC1C(SP(=S)(OCC)OCC)OCCO1)(OCC)OCC</chem>
InChI	1S/C12H26O6P2S4/c1-5-15-19(21,16-6-2)23-11-12(14-10-9-13-11)24-20(22,17-7-3)18-8-4/h11-12H,5-10H2,1-4H3
InChIKey	VBKKVDGJXVOLNE-UHFFFAOYSA-N
Atmospheric OH Rate Constant	7.94E-10 cm ³ /molecule-sec



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Specifications	Limits
Vapor Pressure	8.76E-08 mm Hg

Specifications	Limits
log P (octanol-water)	3.450
Henry's Law Constant	1.35E-11 atm-m ³ /mole
Melting Point	-2.00E+01 ° C
Water solubility	1.550 mg/L



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