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Typical Product Specifications & Properties

Lithium sulfide

CAS Number: : 12136-58-2

Specifications	Limits
Molecular weight	45.95
SMILES	[Li]S[Li]
InChI	1S/2Li.S
InChIKey	ZWDBUTFCWLVLQ-UHFFFAOYSA-N
Molecular weight	277.23
InChI	1S/C9H12NO5PS/c1-7-6-8(4-5-9(7)10(11)12)15-16(17,13-2)14-3/h4-6H,1-3H3
InChIKey	ZNOLGFHPUIJIMJ-UHFFFAOYSA-N
Molecular weight	179.22
SMILES	c1(NC(=O)OC(C)C)cccc1
InChI	1S/C10H13NO2/c1-8(2)13-10(12)11-9-6-4-3-5-7-9/h3-8H,1-2H3,(H,11,12)
InChIKey	VXPLXMJHHKHSOA-UHFFFAOYSA-N
Atmospheric OH Rate Constant	5.23E-11 cm ³ /molecule-sec






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Specifications	Limits
Water solubility	179 mg/L
Vapor Pressure	0.015 mm Hg
Melting Point	87.3 ° C
log P (octanol-water)	2.6
Henry's Law Constant	3.85E-08 atm-m ³ /mole
Chemical Structure	 37966_37966_lithium-sulfide.png chemical structure



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