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## Typical Product Specifications & Properties

# Disulfur Dibromide

CAS Number: : 13172-31-1

Specifications	Limits
Molecular weight	223.94
EINECS	236-119-1
Molecular weight	439.21
EINECS	205-037-8
SMILES	<chem>c1(c(cc(cc1[N+](=O)[O-])[N+](=O)[O-])[N+](=O)[O-])Nc1c(cc(cc1[N+](=O)[O-])[N+](=O)[O-])[N+](=O)[O-]</chem>
InChI	1S/C12H5N7O12/c20-14(21)5-1-7(16(24)25)11(8(2-5)17(26)27)13-12-9(18(28)29)3-6(15(22)23)4-10(12)19(30)31/h1-4,13H
InChIKey	CBCIHIVRDWLAME-UHFFFAOYSA-N
Henry's Law Constant	2.33E-17 atm-m <sup>3</sup> /mole
log P (octanol-water)	3.350
Atmospheric OH Rate Constant	4.26E-15 cm <sup>3</sup> /molecule-sec
Vapor Pressure	2.89E-14 mm Hg
Water solubility	60 mg/L



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Specifications	Limits
Melting Point	244 dec &deg; C



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