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Typical Product Specifications & Properties

Sulphamethazine Sodium Salt

CAS Number: : 1981-58-4

Specifications	Limits
Molecular weight	300.31
EINECS	217-840-0
SMILES	<chem>Cc1cc(nc(n1)[N-]S(=O)(=O)c2ccc(cc2)N)C.[Na+]</chem>
InChI	NGIVTUVVBWOTNT-UHFFFAOYSA-N
InChIKey	1S/C12H13N4O2S.Na/c1-8-7-9(2)15-12(14-8)16-19(17,18)11-5-3-10(13)4-6-11;/h3-7H,13H2,1-2H3;/q-1;+1
Molecular weight	280.30
EINECS	201-272-5
SMILES	<chem>c1(S(=O)(=O)Nc2ccc(nn2)OC)ccc(cc1)N</chem>
InChI	1S/C11H12N4O3S/c1-18-11-7-6-10(13-14-11)15-19(16,17)9-4-2-8(12)3-5-9/h2-7H,12H2,1H3,(H,13,15)
InChIKey	VLYWMPOKSSWJAL-UHFFFAOYSA-N
Henry's Law Constant	2.37E-14 atm-m ³ /mole
Melting Point	182.5 ° C





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Specifications	Limits
Water solubility	147 mg/L
log P (octanol-water)	0.32
Atmospheric OH Rate Constant	2.82E-11 cm ³ /molecule-sec
pKa Dissociation Constant	6.7
Vapor Pressure	5.65E-10 mm Hg
Storage Temperature	2-8°C
Form	Crystalline Powder
Merck	13,9004
Color	White to yellow



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415 Huguenot Street, New Rochelle, New York 10801

Disclaimer: this is a web generated product specification and property document. All information on this document is subject to reconfirmation at time of quote and order.