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## Typical Product Specifications & Properties

# Minocycline

CAS Number: : 10118-90-8

Specifications	Limits
Molecular weight	457.48
EINECS	237-099-7
SMILES	<chem>CN(C)c1ccc(c2c1C[C@H]3C[C@H]4[C@@H](C(=C(C(=O)[C@]4(C(=C3C2=O)O)O)C(=O)N)O)N(C)C)O</chem>
InChI	DYKFCLLONBREIL-KVUCHLLUSA-N
InChIKey	1S/C23H27N3O7/c1-25(2)12-5-6-13(27)15-10(12)7-9-8-11-17(26(3)4)19(29)16(22(24)32)21(31)23(11,33)20(30)14(9)18(14,6,9,11,17,27,29-30,33)H,7-8H2,1-4H3,(H2,24,32)/t9-,11-,17-,23-/m1
Atmospheric OH Rate Constant	3.17E-10 cm <sup>3</sup> /molecule-sec
Water solubility	5.20E+04 mg/L
log P (octanol-water)	0.05
Henry's Law Constant	1.53E-24 atm-m <sup>3</sup> /mole
Vapor Pressure	3.71E-23 mm Hg



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