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## Typical Product Specifications & Properties

# Chlortetracycline

CAS Number : 57-62-5

Specifications	Limits
Molecular weight	478.88
EINECS	200-341-7
SMILES	<chem>CN(C)[C@H]1[C@@H]2C[C@H]3C(=C(O)[C@]2(O)C(=O)C(=C1O)C(=O)N)C(=O)c4c(O)ccc(Cl)c4[C@</chem>
InChI	CYDMQBQPVICBEU-XRNMNCNSA-N
InChIKey	1S/C22H23ClN2O8/c1-21(32)7-6-8-15(25(2)3)17(28)13(20(24)31)19(30)22(8,33)18(29)11(7)16(27)10(26)5-4-9(23)14(12)21/h4-5,7-8,15,26,28-29,32-33H,6H2,1-3H3,(H2,24,31)/t7-,8-,15-,21-,22-/m0/s1
Atmospheric OH Rate Constant	2.09E-10 cm <sup>3</sup> /molecule-sec
log P (octanol-water)	-0.62
Water solubility	630 mg/L
Vapor Pressure	5.22E-24 mm Hg
pKa Dissociation Constant	3.3
Henry's Law Constant	3.45E-24 atm-m <sup>3</sup> /mole
Melting Point	185 & deg; C

ISO 9001



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Specifications	Limits
Storage Temperature	2-8&deg;C



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