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## Typical Product Specifications & Properties

# Colistin

CAS Number: : 1066-17-7

Specifications	Limits
Molecular weight	1,155.43
EINECS	213-907-3
SMILES	<chem>C1(=O)[C@H](NC(=O)[C@@H](NC(=O)[C@H](NC(=O)[C@H](NC(=O)[C@@H](NC(=O)[C@H](CCNC(=O)C(N1)[C@@H](C)O)NC(=O)[C@@H](NC(=O)[C@H](NC(=O)[C@H](NC(=O)CCCC(CC)C)CCN)[C@H](O)C)CCN)CCN)CC(C)C)CC(C)C)CCN)CCN</chem>
InChI	YKQOSKADJPQZHB-BRLOSWAASA-N
InChIKey	1S/C52H98N16O13/c1-9-29(6)11-10-12-40(71)59-32(13-19-53)47(76)68-42(31(8)70)52(81)64-35(16-22-56)44(73)63-37-18-24-58-51(80)41(30(7)69)67-48(77)36(17-23-57)61-43(72)33(14-20-54)62-49(78)38(25-27(2)3)66-50(79)39(26-28(4)5)65-45(74)34(15-21-55)60-46(37)
log P (octanol-water)	-8.750
Atmospheric OH Rate Constant	2.58E-10 cm <sup>3</sup> /molecule-sec
Water solubility	5.64E+05 mg/L
Vapor Pressure	.00E+00 mm Hg



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