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## Typical Product Specifications & Properties

# Kanamycin

CAS Number: : 59-01-8

Specifications	Limits
Molecular weight	484.50
EINECS	200-411-7
SMILES	<chem>C1[C@H]([C@@H]([C@H]([C@@H]([C@H]1N)O[C@@H]2[C@@H]([C@H]([C@@H]([C@H](O2)CN)O)O)O)[C@@H]3[C@@H]([C@H]([C@@H]([C@H](O3)CO)O)N)O)N</chem>
InChI	SBUJHOSQTJFQJX-NOAMYHISSA-N
InChIKey	1S/C18H36N4O11/c19-2-6-10(25)12(27)13(28)18(30-6)33-16-5(21)1-4(20)15(14(16)29)32-17-11(26)8(22)9(24)7(3-23)31-17/h4-18,23-29H,1-3,19-22H2/t4-,5+,6-,7-,8+,9-,10-,11-,12+,13-,14-,15+,16-,17-,18-/m1/s1
Water solubility	1.00E+06 mg/L
log P (octanol-water)	-6.700
Vapor Pressure	3.29E-23 mm Hg
Atmospheric OH Rate Constant	3.34E-10 cm <sup>3</sup> /molecule-sec
Henry's Law Constant	2.91E-38 atm-m <sup>3</sup> /mole



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