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Typical Product Specifications & Properties

Erythromycin 2''-propionate dodecyl sulfate

CAS Number: : 3521-62-8

Specifications	Limits
Molecular weight	1,056.39
SMILES	<chem>CCCCCCCCCCCCOS(=O)(=O)O.CC[C@H]1OC(=O)[C@H](C)[C@@H](O[C@H]2C[C@@](C)(OC)[C@@H](O)[C@H](C)O2)[C@H](C)[C@@H](O[C@@H]3O[C@H](C)C[C@@H]([C@H]3OC(=O)CC)N(C)C)[C@](C)(O)C[C@@H](C)C(=O)[C@H](C)[C@@H](O)[C@]1(C)O</chem>
InChI	AWMFMUEJKWXESNL-JZBHMOKNSA-N
InChIKey	1S/C40H71NO14.C12H26O4S/c1-15-27-40(11,48)33(44)22(5)30(43)20(3)18-38(9,47)35(55-37-32(53-28(42)16-2)26(41(12)13)17-21(4)50-37)23(6)31(24(7)36(46)52-27)54-29-19-39(10,49-14)34(45)25(8)51-29;1-2-3-4-5-6-7-8-9-10-11-12-16-17(13,14)15/h20-27,29,31-35,37,
pKa Dissociation Constant	6.9
Melting Point	137 dec ° C
log P (octanol- water)	5.100
Water solubility	2.40E+04 mg/L
Atmospheric OH Rate Constant	3.29E-10 cm ³ /molecule-sec



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