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Typical Product Specifications & Properties

Cortisone

CAS Number: : 53-06-5

Specifications	Limits
Molecular weight	360.44
EINECS	200-162-4
SMILES	<chem>C[C@]12CCC(=O)C=C1CC[C@@H]3[C@@H]2C(=O)C[C@]4([C@H]3CC[C@@H]4)O</chem>
InChI	1S/C21H28O5/c1-19-7-5-13(23)9-12(19)3-4-14-15-6-8-21(26,17(21)16(24)18(14)19/h9,14-15,18,22,26H,3-8,10-11H2,1-2H3/t14-,15-,16-
InChIKey	MFYSYFVPBJMHGN-YKAMNDFBSA-N
Henry's Law Constant	6.03E-10 atm-m ³ /mole
Vapor Pressure	5.80E-13 mm Hg
Atmospheric OH Rate Constant	1.10E-10 cm ³ /molecule-sec
log P (octanol-water)	1.47
Water solubility	280 mg/L
Melting Point	222 ° C
Melting Point	223-228 °C (dec.)



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Specifications	Limits
Storage Temperature	-20°C Freezer
Merck	2539
Refractive Index	210 ° (C=1, EtOH)
Density	1.28±0.1 g/cm ³ (20 °C 760 Torr)



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