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Typical Product Specifications & Properties

Methylphenidate

CAS Number: : 113-45-1

Specifications	Limits
Molecular weight	233.31
SMILES	<chem>COC(=O)C(C1CCCN1)c2ccccc2</chem>
InChI	1S/C14H19NO2/c1-17-14(16)13(11-7-3-2-4-8-11)12-9-5-6-10-15-12/h2-4,7-8,12-13,15H,5-6,9-10H2,1H3
InChIKey	DUGOZIWVEXMGBE-UHFFFAOYSA-N
Water solubility	2.01E+05 mg/L
pKa Dissociation Constant	8.77
Henry's Law Constant	4.38E-09 atm-m ³ /mole
log P (octanol-water)	0.2
Atmospheric OH Rate Constant	1.11E-10 cm ³ /molecule-sec
Vapor Pressure	5.89E-05 mm Hg



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