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Typical Product Specifications & Properties

Levodopa

CAS Number: : 59-92-7

Specifications	Limits
Molecular weight	197.19
EINECS	200-445-2
InChI	1S/C9H11NO4/c10-6(9(13)14)3-5-1-2-7(11)8(12)4-5/h1-2,4,6,11-12H,3,10H2,(H,13,14)/t6-/m0/s1
InChIKey	WTD RDQBEARUVNC-LURJTMIESA-N
Merck	14,5464
Stability	Stable. Incompatible with strong oxidizing agents. Light and air sensitive.
Melting Point	276-278 °C
Refractive Index	1.2120 (c=5, 1 mol/L HCl)
BRN Number	2215169
Alpha	-11.7 ° (c=5.3, 1N HCl)
Storage Temperature	2-8°C
Vapor Pressure	1.24E-10 mm Hg



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Specifications	Limits
Melting Point	285 dec ° C
log P (octanol-water)	-2.39E+00
Water solubility	5000 mg/L
pKa Dissociation Constant	2.32
Atmospheric OH Rate Constant	9.66E-11 cm ³ /molecule-sec
Henry's Law Constant	1.30E-18 atm-m ³ /mole
Water solubility	Slightly soluble in water, dilute hydrochloric acid and formic acid. Insoluble in ethanol.



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