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Typical Product Specifications & Properties

Camphor Powder USP

CAS Number: : 76-22-2

Specifications	Limits
Molecular weight	152.23
EINECS	200-945-0
SMILES	<chem>CC1(C)[C@@H]2CC[C@@]1(C)C(=O)C2</chem>
InChI	DSSYKIVIOFKYAU-XCBNKYQSSA-N
InChIKey	1S/C10H16O/c1-9(2)7-4-5-10(9,3)8(11)6-7/h7H,4-6H2,1-3H3/t7-,10+/m1/s1
Flash Point	148 °F
Vapor Pressure	4 mm Hg (70 °C)
BRN Number	1907611
Melting Point	175-177 °C
Boiling Point	204 °C
Water solubility	0.12 g/100 mL (25 °C)
Merck	14,1732



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Specifications	Limits
Vapor Density	5.2
Density	0.992
Solubility	Soluble in acetone, ethanol, diethylether, chloroform and acetic acid.
Stability	Stable. Combustible. Incompatible with strong oxidizing agents, metallic salts, combustible materials, organics.
Storage Temperature	Store below +30°C.
Henry's Law Constant	8.10E-05 atm-m ³ /mole
Melting Point	180 ° C
log P (octanol-water)	2.38
Boiling Point	204 ° C
Vapor Pressure	0.65 mm Hg
Water solubility	1600 mg/L
Atmospheric OH Rate Constant	9.88E-12 cm ³ /molecule-sec



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