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Typical Product Specifications & Properties

all-trans-Retinol

CAS Number: : 68-26-8

Specifications	Limits
Molecular weight	286.45
EINECS	200-683-7
InChI	1S/C20H30O/c1-16(8-6-9-17(2)13-15-21)11-12-19-18(3)10-7-14-20(19,4)5/h6,8-9,11-13,21H,7,10,14-15H2,1-5H3/b9-6+,12-11+,16-8+,17-13+
InChIKey	FPIPGXGPPPQFEQ-OVSJKPMPSA-N
log P (octanol-water)	5.68
Atmospheric OH Rate Constant	4.00E-10 cm ³ /molecule-sec
Henry's Law Constant	1.16E-04 atm-m ³ /mole
Melting Point	63.5 ° C
Vapor Pressure	7.50E-08 mm Hg
Water solubility	0.671 mg/L
Water solubility	Practically insoluble in water or glycerol; soluble in absolute alcohol, methanol, chloroform, ether, fats and oils.
Flash Point	-26 ° C



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Specifications	Limits
Stability	Stable, but light and air sensitive. Incompatible with strong acids, strong oxidizing agents.
Storage Temperature	2-8°C
Melting Point	61-63 °C
Color	yellow to orange
Form	crystalline
Merck	13,10073
Sensitive	Moisture & Light Sensitive
Refractive Index	1.641
Water solubility	Practically insoluble in water or glycerol; soluble in absolute alcohol, methanol, chloroform, ether, fats and oils.
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