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Typical Product Specifications & Properties

Emamectin benzoate

CAS Number: : 155569-91-8


Specifications	Limits
Molecular weight	888.13
EINECS	240-505-5
Molecular weight	229.26
EINECS	200-480-3
SMILES	<chem>P(=S)(SCC(=O)NC)(OC)OC</chem>
InChI	1S/C5H12NO3PS2/c1-6-5(7)4-12-10(11,8-2)9-3/h4H2,1-3H3,(H,6,7)
InChIKey	MCWXGJITAZMZEV-UHFFFAOYSA-N
Vapor Pressure	8.25E-06 mm Hg
Henry's Law Constant	1.05E-10 atm-m ³ /mole
log P (octanol-water)	0.78
Melting Point	52 ° C
Water solubility	2.50E+04 mg/L





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Specifications	Limits
Atmospheric OH Rate Constant	7.90E-11 cm ³ /molecule-sec
Storage Temperature	0-6°C
Water solubility	Slightly soluble. 2.5 g/100 mL
Flash Point	107 °C
Boiling Point	107°C (0.05 torr)
Density	1.281
Merck	13,3246
Melting Point	52-52.5°C
Chemical Structure	 52421_52421_emamectin-benzoate-.png chemical structure



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