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Typical Product Specifications & Properties

p-Toluenesulfonyl fluoride

CAS Number: : 455-16-3

Specifications	Limits
Molecular weight	174.19
EINECS	207-238-6
SMILES	<chem>S(c1ccc(C)cc1)(=O)=O</chem> F
InChI	IZZYABADQVQHLC-UHFFFAOYSA-N
InChIKey	1S/C7H7FO2S/c1-6-2-4-7(5-3-6)11(8,9)10/h2-5H,1H3
Atmospheric OH Rate Constant	1.22E-12 cm ³ /molecule-sec
log P (octanol-water)	2.74
Melting Point	41.5 °C
Vapor Pressure	5.36E-03 mm Hg
Water solubility	269 mg/L
Henry's Law Constant	1.72E-05 atm-m ³ /mole
Flash Point	222 °C



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Specifications	Limits
Melting Point	41-42 °C
BRN Number	2208423
Water solubility	Hydrolyzes in water.
Boiling Point	112 °C/16 mm Hg
Sensitive	Moisture Sensitive



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