Typical Product Specifications & Properties

2-(4-Thiazolyl)Benzimidazole

CAS Number: : 148-79-8

Specifications	Limits
Molecular weight	201.25
EINECS	205-725-8
InChI	1S/C10H7N3S/c1-2-4-8-7(3-1)12-10(13-8)9-5-14-6-11-9/h1-6H,(H,12,13)
InChIKey	WJCNZQLZVWNLKY-UHFFFAOYSA-N
Melting Point	298-301°C
Storage Temperature	0-6°C
Form	powder
Solubility	Soluble in methanol and dimethyl sulfoxide.
Merck	9289
Color	light yellow
Water solubility	0.005 g/100 mL
Vapor Pressure	4.00E-09 mm Hg

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Specifications	Limits
Atmospheric OH Rate Constant	6.50E-11 cm3/molecule-sec
Henry's Law Constant	2.12E-11 atm-m3/mole
Melting Point	300 ° C
pKa Dissociation Constant	4.64
Water solubility	50 mg/L
log P (octanol-water)	2.47
Chemical Structure	99952 99952_2-4-thiazolyl-benzimidazole.png chemical structure

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