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Typical Product Specifications & Properties

1H-Imidazole

CAS Number: : 288-32-4

Specifications	Limits
Molecular weight	68.08
EINECS	206-019-2
SMILES	<chem>c1cnc[nH]1</chem>
InChI	1S/C3H4N2/c1-2-5-3-4-1/h1-3H,(H,4,5)
InChIKey	RAXXELZNTBOGNW-UHFFFAOYSA-N
pKa Dissociation Constant	6.953
Melting Point	90.5 °C
Henry's Law Constant	3.76E-06 atm-m ³ /mole
Vapor Pressure	0.046 mm Hg
Water solubility	1.59E+05 mg/L
Atmospheric OH Rate Constant	3.59E-11 cm ³ /molecule-sec
Boiling Point	257 °C



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Specifications	Limits
log P (octanol-water)	-0.08
Stability	Stable. Incompatible with acids, strong oxidizing agents. Protect from moisture.
Water solubility	633 g/L (20 °C)
Merck	14,4912
BRN Number	103853
Sensitive	Hygroscopic
Vapor Pressure	<1 mm Hg (20 °C)
Flash Point	293 °F
Density	1.01 g/mL at 20 °C
Color	white
Refractive Index	1.4801
Boiling Point	256 °C



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Specifications	Limits
Storage Temperature	2-8°C
Melting Point	88-91 °C
Solubility	H2O: 0.1 M at 20 °C, clear, colorless
Form	crystalline



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