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Typical Product Specifications & Properties

Sudan I

CAS Number: : 842-07-9

Specifications	Limits
Molecular weight	248.28
EINECS	212-668-2
SMILES	<chem>c12c(\N=N\c3ccccc3)c(ccc1cccc2)O</chem>
InChI	1S/C16H12N2O/c19-15-11-10-12-6-4-5-9-14(12)16(15)18-17-13-7-2-1-3-8-13/h1-11,19H
InChIKey	MRQIXHXHHPWVIL-UHFFFAOYSA-N
Melting Point	131-133 °C
Stability	Incompatible with strong oxidizing agents.
Storage Temperature	Amber Vial, Refrigerator, Under Inert Atmosphere
Water solubility	0.5 g/L (30 °C)
Colour Index	12055
log P (octanol-water)	5.510
Water solubility	0.674 mg/L



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Specifications	Limits
Vapor Pressure	7.34E-08 mm Hg
Atmospheric OH Rate Constant	1.83E-11 cm ³ /molecule-sec
Henry's Law Constant	2.62E-11 atm-m ³ /mole
Melting Point	134 °C
Form	Powder
Color	Orange to red or brown



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