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Typical Product Specifications & Properties

Blue Tetrazolium chloride

CAS Number: : 1871-22-3

Specifications	Limits
Molecular weight	727.64
EINECS	217-488-8
SMILES	<chem>COc1cc(ccc1n2nc(n[n+]2c3ccccc3)c4ccccc4)c5ccc(c(c5)[Cl-].[Cl-]</chem>
InChI	MUUHXGOJWVMBDY-UHFFFAOYSA-L
InChIKey	1S/C40H32N8O2.2ClH/c1-49-37-27-31(23-25-35(37)47-43-39(29-20-33)32-24-26-36(38(28-32)50-2)48-44-40(30-17-9-4-10-18-30)42 2H3;2*1H/q+2;;/p-2
log P (octanol-water)	7.350
Atmospheric OH Rate Constant	6.89E-11 cm ³ /molecule-sec
BRN Number	3894077
Merck	14,9244
Storage Temperature	-20°C
Water solubility	Soluble in hot water (5 mg/ml), methanol (50 mg/ml), ethanol
Melting Point	255 °C (dec.)



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Specifications	Limits
Stability	Stable, but may be light sensitive. Incompatible with strong oxidizing agents.
Chemical Structure	 48714_48714_blue-tetrazolium-chloride.png chemical structure



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