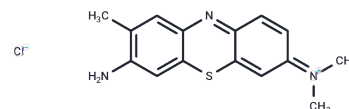


Toluidine Blue

Chemical Properties

CAS No. :	92-31-9
Formula:	C ₁₅ H ₁₆ ClN ₃ S
Molecular Weight:	305.83
Appearance:	no data available
Storage:	keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Toluidine Blue (Blutene chloride), a phenothiazine, is used as a biological stain, a hemostatic, and a dye for silk and wool. Blutene chloride is also used as a diagnostic aid for gastric neoplasms and oral, and used in the identification of the parathyroid gland in thyroid surgery.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: Slightly soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2698 mL	16.349 mL	32.6979 mL
5 mM	0.654 mL	3.2698 mL	6.5396 mL
10 mM	0.327 mL	1.6349 mL	3.2698 mL
50 mM	0.0654 mL	0.327 mL	0.654 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Taha M, et al. Mater Sci Eng C Mater Biol Appl. 2013 Jul 1;33(5):2639-47.

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