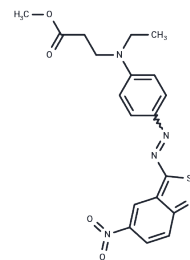


Disperse Blue 148

Chemical Properties

CAS No. :	52239-04-0
Formula:	C ₁₉ H ₁₉ N ₅ O ₄ S
Molecular Weight:	413.45
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Disperse Blue 148 is a high-temperature trichromatic blue azo dye.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 20 mg/mL (48.37 mM), Sonication and heating are recommended. H ₂ O: 30 mg/mL (72.56 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4187 mL	12.0934 mL	24.1867 mL
5 mM	0.4837 mL	2.4187 mL	4.8373 mL
10 mM	0.2419 mL	1.2093 mL	2.4187 mL
50 mM	0.0484 mL	0.2419 mL	0.4837 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Hui-Fen Qian, et al. Structural and spectral characterizations of C.I. Disperse Blue 148 having a new crystalline form. *Dyes and Pigments* Volume 99, Issue 2, November 2013, Pages 489-495

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