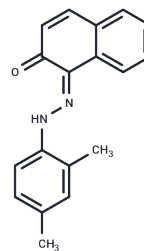


Sudan II

Chemical Properties

CAS No. :	3118-97-6
Formula:	C ₁₈ H ₁₆ N ₂ O
Molecular Weight:	276.33
Appearance:	Solid
Storage:	keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Sudan II (Solvent Orange 7) is a dyes.
Targets(IC50)	Others
Cell Research	Fat staining experiment a. Material preparation: Sudan II stain, 70% ethanol solution, tissue sections or cell smears containing fat to be tested, microscope, etc. b. Experimental steps: 1. Fix the tissue sections or cell smears with 70% ethanol solution for 5-10 minutes, and then dry naturally; 2. Add Sudan II stain to the sections or smears and stain for 10-15 minutes; 3. Rinse with 70% ethanol solution to remove excess stain, and then rinse with distilled water; 4. After drying, observe under a microscope, the fat is stained orange-red.

Solubility Information

Solubility	DMSO: 28 mg/mL (101.33 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	3.6189 mL	18.0943 mL	36.1886 mL
5 mM	0.7238 mL	3.6189 mL	7.2377 mL
10 mM	0.3619 mL	1.8094 mL	3.6189 mL
50 mM	0.0724 mL	0.3619 mL	0.7238 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

Li L, et al. Binding of Sudan II and IV to lecithin liposomes and E. coli membranes: insights into the toxicity of hydrophobic azo dyes. BMC Struct Biol. 2007 Mar 27;7:16.

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