

Direct Red 80

Chemical Properties

CAS No. : 2610-10-8

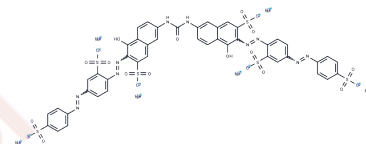
Formula: C₄₅H₂₆N₁₀Na₆O₂₁S₆

Molecular Weight: 1373.07

Keep away from direct sunlight

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Direct Red 80 (Sirius Red), a tetra azo dye, is used to detect amyloid and enhance the birefringence of collagen fibers in tissue sections.
Targets(IC50)	Beta Amyloid,Others
In vitro	<p>Procedure</p> <ol style="list-style-type: none">1. Wash the samples in dH₂O, pre-treat with 0.2% phosphomolybdic acid (PMA) solution for 40 minutes, add 0.1 g Direct Red 80 to saturated picric acid aqueous solution (1.3 g/100 mL distilled water) to make 0.1% Direct Red 80, and incubate with the samples for 30 minutes.2. Wash each sample in 0.01 M HCl for 2 minutes. <p>The above information is based on published literature. Experimental procedures should be appropriately modified to meet specific research demands.</p>

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	0.7283 mL	3.6415 mL	7.2829 mL
5 mM	0.1457 mL	0.7283 mL	1.4566 mL
10 mM	0.0728 mL	0.3641 mL	0.7283 mL
50 mM	0.0146 mL	0.0728 mL	0.1457 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

Dapson RW, et al. Certification procedures for sirius red F3B (CI 35780, Direct red 80). Biotech Histochem. 2011 Jun; 86(3):133-9.

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