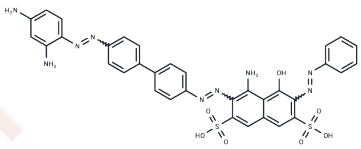
Data Sheet (Cat.No.T15135L)

TargetMol

Direct Black 38 free acid

Chemical Properties



CAS No. : 22244-14-0

Formula: C34H27N9O7S2

Molecular Weight: 737.77

Storage: Keep away from direct sunlight
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	Ferristatin II (Direct Black 38 free acid) is a polysulphonated dye and promotes the degradation of transferrin receptor-1 in vitro and in vivo.
Targets(IC50)	Others,DNA/RNA Synthesis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3554 mL	6.7772 mL	13.5544 mL
5 mM	0.2711 mL	1.3554 mL	2.7109 mL
10 mM	0.1355 mL	0.6777 mL	1.3554 mL
50 mM	0.0271 mL	0.1355 mL	0.2711 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

Beije B. Induction of unscheduled DNA synthesis in liver and micronucleus in bone marrow of rats exposed in vivo to the benzidine-derived azo dye, Direct Black 38. Mutat Res. 1987 Apr;187(4):227-34.

Byrne SL, et al. Ferristatin II promotes degradation of transferrin receptor-1 in vitro and in vivo. PLoS One. 2013 Jul 23;8(7):e70199.

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