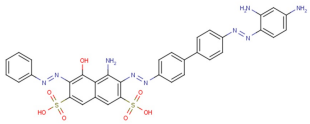
Data Sheet (Cat.No.T15135L)

TargetMol
A DRUG SCREENING EXPERT

Ferristatin II

Chemical Properties



CAS No.:	22244-14-0
Formula:	C34H27N9O7S2
Molecular Weight:	737.76
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

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(IC_{50})	Others: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.355 mL	6.777 mL	13.555 mL
5 mM	0.271 mL	1.355 mL	2.711 mL
10 mM	0.136 mL	0.678 mL	1.355 mL
50 mM	0.027 mL	0.136 mL	0.271 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

1. 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.
2. 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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Tel:781-999-4286 E-mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481