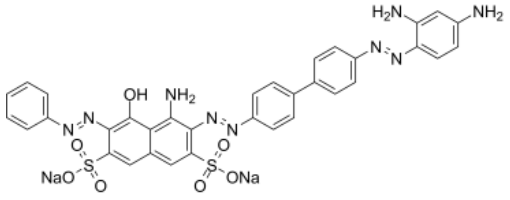
Product Data Sheet

Product Name: Direct Black 38
Cat. No.: GC38068

Chemical Properties

Cas. No.	1937-37-7		
SMILES	O=S(C1=C(/N=N/C2=CC=C(C3=CC=C(/N=N/C4=CC=C(N)C=C4N)C=C3)C=C2)C(N)=C5C(O)=C(/N=N/C6=CC=CC=C6)C(S(=O)(O[Na])=O)=CC5=C1)(O[Na])=O		
Formula	$C_{34}H_{25}N_9Na_2O_7S_2$	M.Wt	781.73
Solubility	Water: 5 mg/mL (6.40 mM)	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			



Background

Direct Black 38 is an azo dye. Direct Black 38 induces unscheduled DNA synthesis in liver and micronucleus in bone marrow of rats in vivo[1].

[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.

Caution: Product has not been fully validated for medical applications. For research use only.
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