

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

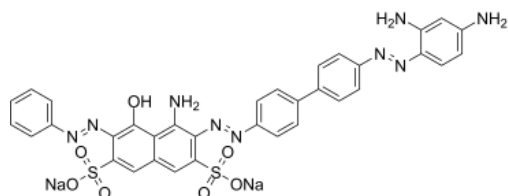
Formula $C_{34}H_{25}N_9Na_2O_7S_2$ M.Wt 781.73

Solubility Water: 5 mg/mL (6.40 mM) Storage Store at -20°C

General For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the tips ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT, or Condition 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.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA