

Product Data Sheet

Product Name: Sudan IV

Cat. No.: GC39445

Chemical Properties

Cas. No. 85-83-6

SMILES OC1=CC=C2C=CC=CC2=C1/N=N/C3=CC=C(/N=N/C4=CC=CC=C4C)C=C3C

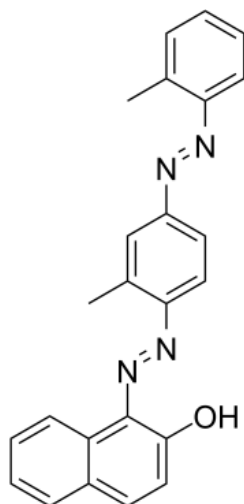
Formula $C_{24}H_{20}N_4O$ M.Wt 380.44

Solubility DMSO: < 1 mg/mL (insoluble or slightly soluble) 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

Sudan IV is a lysochrome (fat-soluble dye) diazo dye used for the staining of lipids, triglycerides and lipoproteins on frozen paraffin sections[1].

[1]. Refat NA, et al. The induction of cytochrome P450 1A1 by sudan dyes. J Biochem Mol Toxicol. 2008 Mar-Apr;22(2):77-84.

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

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