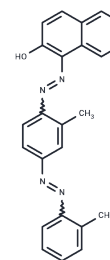


## Sudan IV

## Chemical Properties

CAS No. :	85-83-6
Formula:	C <sub>24</sub> H <sub>20</sub> N <sub>4</sub> O
Molecular Weight:	380.44
Storage:	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	Sudan IV (Solvent Red 24) is a lysochrome (fat-soluble dye) diazo dye used for the staining of triglycerides, lipids and lipoproteins on frozen paraffin sections.
Targets(IC50)	Others, Aryl Hydrocarbon Receptor, Cytochromes P450

## Solubility Information

Solubility	DMSO: 3.81 mg/mL (10.01 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6285 mL	13.1427 mL	26.2854 mL
5 mM	0.5257 mL	2.6285 mL	5.2571 mL
10 mM	0.2629 mL	1.3143 mL	2.6285 mL
50 mM	0.0526 mL	0.2629 mL	0.5257 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

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

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481