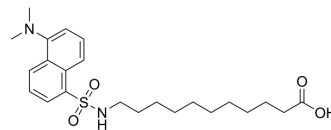


DAUDA

Cat. No.:	HY-120959
CAS No.:	73025-02-2
Molecular Formula:	C ₂₃ H ₃₄ N ₂ O ₄ S
Molecular Weight:	435
Target:	Fluorescent Dye; Parasite
Pathway:	Others; Anti-infection
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (229.89 mM; Need ultrasonic)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	2.2989 mL	11.4943 mL	22.9885 mL	
5 mM	0.4598 mL	2.2989 mL	4.5977 mL	
10 mM	0.2299 mL	1.1494 mL	2.2989 mL	

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

DAUDA (11-(dansylamino) undecanoic acid) is an environment-sensitive fluorescent fatty acid analogue. DAUDA alters its intensities and fluorescent emission spectra on entry into binding proteins. DAUDA is used to determine the relative affinity of natural fatty acids for polymorphs of the Schistosoma mansoni Sm14 fatty acid-binding protein[1].

IC₅₀ & Target

Schistosome

REFERENCES

[1]. Ramos CR, et al. Gene structure and M20T polymorphism of the Schistosoma mansoni Sm14 fatty acid-binding protein. Molecular, functional, and immunoprotection analysis. J Biol Chem. 2003; 278(15):12745-51.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA