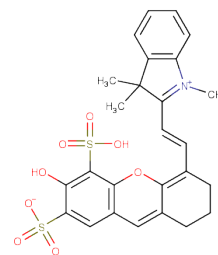


NIR dye-1

Chemical Properties

CAS No. :	1392488-07-1
Formula:	C ₂₆ H ₂₅ N ₀ S ₂
Molecular Weight:	543.61
Appearance:	no data available
Storage:	keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	NIR dye-1 is a near-infrared (NIR) fluorescent dye which has absorption and emission in the NIR region while retaining an optically tunable hydroxyl group.
Targets(IC50)	Others
In vitro	Dye NIR dye-1 (Compound 1h) is soluble in pure PBS and newborn calf serum (without the addition of any co-organic solvent) with a solubility of at least 2 mM in PBS and 3 mM in newborn calf serum.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8396 mL	9.1978 mL	18.3955 mL
5 mM	0.3679 mL	1.8396 mL	3.6791 mL
10 mM	0.184 mL	0.9198 mL	1.8396 mL
50 mM	0.0368 mL	0.184 mL	0.3679 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.

Reference

Yuan L, et al. A unique approach to development of near-infrared fluorescent sensors for in vivo imaging. J Am Chem Soc. 2012 Aug 15;134(32):13510-23.

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:36 Washington Street,Wellesley Hills,MA 02481