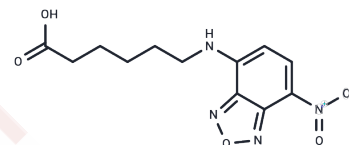


NBD-X acid

Chemical Properties

CAS No. :	88235-25-0
Formula:	C ₁₂ H ₁₄ N ₄ O ₅
Molecular Weight:	294.26
Storage:	Keep away from direct sunlight Store at -20°C <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	NBD-X acid is an environmentally sensitive fluorescent probe used to study biological polymers such as lipids and proteins, with a higher labelling yield than NBD and significantly reduced fluorescence intensity in aqueous solutions. NBD-X acid emits green to yellow fluorescence with excitation/absorption wavelengths of 465/535 nm.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 80 mg/mL (271.87 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3984 mL	16.9918 mL	33.9836 mL
5 mM	0.6797 mL	3.3984 mL	6.7967 mL
10 mM	0.3398 mL	1.6992 mL	3.3984 mL
50 mM	0.068 mL	0.3398 mL	0.6797 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

McIntyre JC, et al. Synthesis and characterization of fluorescent neutral lipid analogs containing N-(7-nitro-2,1,3-benzoxadiazol-4-yl)-amino-hexanoic acid. Chem Phys Lipids. 1993 Dec;66(3):171-80.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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