

FD-1080

Chemical Properties

CAS No. : 1151666-58-8

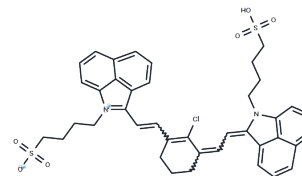
Formula: C₄₀H₃₉ClN₂NaO₆S₂

Molecular Weight: 766.32

Keep away from direct sunlight

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	FD-1080 is a fluorophore that exhibits both excitation and emission in the NIR-II region, making it suitable for in vivo imaging.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3049 mL	6.5247 mL	13.0494 mL
5 mM	0.261 mL	1.3049 mL	2.6099 mL
10 mM	0.1305 mL	0.6525 mL	1.3049 mL
50 mM	0.0261 mL	0.1305 mL	0.261 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

Li B, Lu L, Zhao M, Lei Z, Zhang F. An Efficient 1064 nm NIR-II Excitation Fluorescent Molecular Dye for Deep-Tissue High-Resolution Dynamic Bioimaging. *Angew Chem Int Ed Engl.* 2018 Jun 18;57(25):7483-7487. doi: 10.1002/anie.201801226. Epub 2018 Mar 24. PubMed PMID: 29493057.

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