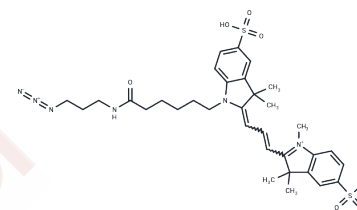


Sulfo-cyanine3 azide

Chemical Properties

CAS No. :	1658416-54-6
Formula:	C33H42N6O7S2
Molecular Weight:	698.85
Storage:	Keep away from direct sunlight Store at -20°C <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Sulfo-cyanine3 azide is a water-soluble azide-containing cyanine dye and fluorescent probe (Ex/Em = 548/563 nm). The molecule contains an azide group, which can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with alkyne-containing molecules, as well as strain-promoted alkyne-azide cycloaddition (SPAAC) with molecules bearing DBCO or BCN groups.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4309 mL	7.1546 mL	14.3092 mL
5 mM	0.2862 mL	1.4309 mL	2.8618 mL
10 mM	0.1431 mL	0.7155 mL	1.4309 mL
50 mM	0.0286 mL	0.1431 mL	0.2862 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

Hsieh PY, et al. Harnessing Fluorescent Moenomycin A Antibiotics for Bacterial Cell Wall Imaging Studies. *Chembiochem*. 2021 Dec 10;22(24):3462-3468.

David, Sunil A, et al. Preparation of fused tricyclic heterocycles as therapeutic compounds and methods of use thereof: World Intellectual Property Organization, WO2020009946[P]. 2020-01-09.

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