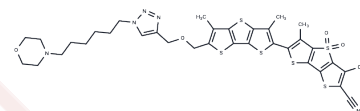


Lyso Flipper-TR 29

Chemical Properties

CAS No. :	2324152-35-2
Formula:	C35H37N5O4S6
Molecular Weight:	784.09
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	Lyso Flipper-TR 29, a Flipper probe, specifically labels lysosomes and late endosomes. It achieves entry into these organelles by transient deprotonation, allowing it to cross their membranes in a neutral form [1].
Targets(IC50)	Others
In vitro	Lyso Flipper-TR 29 enters lysosomes through transient deprotonation and diffuses across hydrophobic membranes in a neutral form; however, it cannot return to the cytosol due to the lysosomal low pH of approximately 5, which inhibits transient deprotonation. Additionally, Lyso Flipper-TR 29 tracks late endosomes but cannot label early endosomes (EE) because their internal pH is too high, greater than 6, which prevents transient deprotonation [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2754 mL	6.3768 mL	12.7536 mL
5 mM	0.2551 mL	1.2754 mL	2.5507 mL
10 mM	0.1275 mL	0.6377 mL	1.2754 mL
50 mM	0.0255 mL	0.1275 mL	0.2551 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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