

## TAMRA-PEG4-tetrazine

## Chemical Properties

CAS No. :

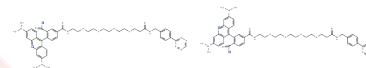
Formula: C45H50N8O9

Molecular Weight: 846.94

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	TAMRA-PEG4-tetrazine is a PEG-based linker for PROTACs which joins two essential ligands, crucial for forming PROTAC molecules. This linker enables selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands linked together: one ligand targets an E3 ubiquitin ligase and the other binds to the target protein. Utilizing the intracellular ubiquitin-proteasome system, PROTACs facilitate the selective degradation of specific proteins [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1807 mL	5.9036 mL	11.8072 mL
5 mM	0.2361 mL	1.1807 mL	2.3614 mL
10 mM	0.1181 mL	0.5904 mL	1.1807 mL
50 mM	0.0236 mL	0.1181 mL	0.2361 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

An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBioMedicine. 2018 Oct;36:553-562.

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