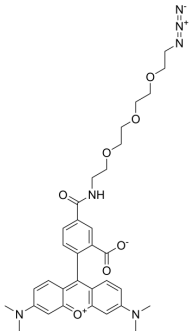
TAMRA-PEG3-Azide

Cat. No.:	HY-123629
CAS No.:	1228100-59-1
Molecular Formula:	$C_{33}H_{38}N_6O_7$
Molecular Weight:	630.69
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Powder -20°C 3 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

Methanol : 12.5 mg/mL (19.82 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	1.5856 mL	7.9278 mL	15.8557 mL
	5 mM	0.3171 mL	1.5856 mL	3.1711 mL
	10 mM	0.1586 mL	0.7928 mL	1.5856 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

TAMRA-PEG3-Azide is a dye derivative of TAMRA (HY-135640) containing 3 PEG units. TAMRA-PEG3-Azide contains an Azide group and can undergo copper-catalyzed azide-alkyne cycloaddition reaction (CuAAc) with molecules containing Alkyne groups. Strain-promoted alkyne-azide cycloaddition (SPAAC) can also occur with molecules containing DBCO or BCN groups.

IC_{50} & Target

PEGs

In Vitro

PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. 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

Caution: Product has not been fully validated for medical applications. For research use only.

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