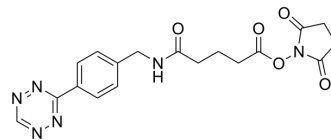


## Tetrazine-Ph-NHCO-C3-NHS ester

Cat. No.:	HY-133479		
CAS No.:	1244040-64-9		
Molecular Formula:	C <sub>18</sub> H <sub>18</sub> N <sub>6</sub> O <sub>5</sub>		
Molecular Weight:	398.37		
Target:	PROTAC Linkers		
Pathway:	PROTAC		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (251.02 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.5102 mL	12.5511 mL	25.1023 mL
5 mM	0.5020 mL	2.5102 mL	5.0205 mL
10 mM	0.2510 mL	1.2551 mL	2.5102 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Tetrazine-Ph-NHCO-C3-NHS ester is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs<sup>[1]</sup>. Tetrazine-Ph-NHCO-C3-NHS ester is a click chemistry reagent, it contains a Tetrazine group that can undergo an inverse electron demand Diels-Alder reaction (IEDDA) with molecules containing TCO groups.

#### IC<sub>50</sub> & 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<sup>[1]</sup>. 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.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA