NH2-PEG7

Cat. No.: HY-120918

CAS No.: 1425973-14-3

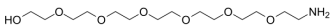
Molecular Formula: $C_{14}H_{31}NO_7$

Molecular Weight: 325.4

Target: PROTAC Linkers

Pathway: PROTAC

Storage: 4°C, sealed storage, away from moisture and light
* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (307.31 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	3.0731 mL	15.3657 mL	30.7314 mL
	5 mM	0.6146 mL	3.0731 mL	6.1463 mL
	10 mM	0.3073 mL	1.5366 mL	3.0731 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (7.68 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (7.68 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (7.68 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

NH2-PEG7 is a PROTAC linker, which refers to the PEG composition. NH2-PEG7 can be used in the synthesis of the PROTAC PARP1 degrader iRucaparib-AP6[1].

IC_{50} & Target

PEGs

REFERENCES

[1]. Wang S, et al. Uncoupling of PARP1 trapping and inhibition using selective PARP1 degradation. Nat Chem Biol. 2019 Dec;15(12):1223-1231.

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