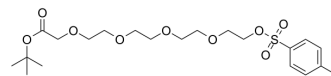


Tos-PEG4-CH2-Boc

| | | | |
|--------------------|--|-------|----------|
| Cat. No.: | HY-42620 | | |
| CAS No.: | 169751-73-9 | | |
| Molecular Formula: | C ₂₁ H ₃₄ O ₉ S | | |
| Molecular Weight: | 462.55 | | |
| Target: | PROTAC Linkers | | |
| Pathway: | PROTAC | | |
| Storage: | Pure form | -20°C | 3 years |
| | | 4°C | 2 years |
| | In solvent | -80°C | 6 months |
| | | -20°C | 1 month |



SOLVENT & SOLUBILITY

| | | | | |
|----------|---|--------------------------|-----------|------------|
| In Vitro | DMSO : 100 mg/mL (216.19 mM; Need ultrasonic) | | | |
| | | Solvent Concentration | Mass | |
| | | | 1 mg | 5 mg |
| | Preparing Stock Solutions | 1 mM | 2.1619 mL | 10.8096 mL |
| | | 5 mM | 2.1619 mL | 4.3239 mL |
| | | 10 mM | 0.2162 mL | 1.0810 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 (5.40 mM); Clear solution; Need ultrasonic | | | |
| | 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (5.40 mM); Clear solution; Need ultrasonic | | | |
| | 3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 2.5 mg/mL (5.40 mM); Clear solution; Need ultrasonic | | | |

BIOLOGICAL ACTIVITY

| | | | |
|---------------------------|--|-------------|--|
| Description | Tos-PEG4-CH2-Boc is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs ^[1] . | | |
| IC ₅₀ & Target | PEGs | Alkyl/ether | |
| 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]. Snaebjornsson MT, et al. Non-canonical functions of enzymes facilitate cross-talk between cell metabolic and regulatory pathways. *Exp Mol Med*. 2018 Apr 16;50(4):34.

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

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