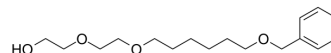


PEG3-C4-OBn

| | | | |
|--------------------|--|-------|----------|
| Cat. No.: | HY-130620 | | |
| CAS No.: | 2381196-79-6 | | |
| Molecular Formula: | C ₁₇ H ₂₈ O ₄ | | |
| Molecular Weight: | 296.4 | | |
| 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 (337.38 mM)
 * "≥" means soluble, but saturation unknown.

| Preparing Stock Solutions | Solvent Concentration | Mass | | |
|---------------------------|-----------------------|-----------|------------|------------|
| | | 1 mg | 5 mg | 10 mg |
| | 1 mM | 3.3738 mL | 16.8691 mL | 33.7382 mL |
| | 5 mM | 0.6748 mL | 3.3738 mL | 6.7476 mL |
| | 10 mM | 0.3374 mL | 1.6869 mL | 3.3738 mL |

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
 Solubility: ≥ 2.5 mg/mL (8.43 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: ≥ 2.5 mg/mL (8.43 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 2.5 mg/mL (8.43 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

PEG3-C4-OBn is a polyethylene glycol (PEG)-based PROTAC linker. PEG3-C4-OBn can be used in the synthesis of the PROTAC SGK3 degrader-1 (HY-125878). PROTAC SGK3 degrader-1 is a potent SGK3 degrader based on PROTAC^{[1][2]}.

IC₅₀ & Target

PEGs

REFERENCES

- [1]. Tovell H, et al. Design and Characterization of SGK3-PROTAC1, an Isoform Specific SGK3 Kinase PROTAC Degradar. ACS Chem Biol. 2019 Sep 20;14(9):2024-2034.
- [2]. Tovell H, et al. Design and Characterization of SGK3-PROTAC1, an Isoform Specific SGK3 Kinase PROTAC Degradar. ACS Chem Biol. 2019 Sep 5.
-

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