# Boc-C1-PEG2-C4-Cl

**Cat. No.:** HY-108371

**CAS No.:** 1835705-53-7

**Molecular Formula:** $C_{14}H_{27}ClO_4$

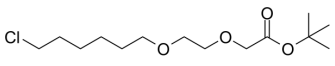
**Molecular Weight:** 294.81

**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 : ≥ 50 mg/mL (169.60 mM)

* "≥" means soluble, but saturation unknown.

**Preparing Stock Solutions**

| Solvent / Mass / Concentration | 1 mg | 5 mg | 10 mg |
|---|---|---|---|
| 1 mM | 3.3920 mL | 16.9601 mL | 33.9202 mL |
| 5 mM | 0.6784 mL | 3.3920 mL | 6.7840 mL |
| 10 mM | 0.3392 mL | 1.6960 mL | 3.3920 mL |

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

## BIOLOGICAL ACTIVITY

**Description**

Boc-C1-PEG2-C4-Cl (PROTAC Linker 1) is a PEG-based PROTAC linker can be used in the synthesis of PROTACs[1].

| $IC_{50}$ & Target | | |
|---|---|---|
| | PEGs | Alkyl/ether |

**In Vitro**

PROTAC technology employs small molecules that recruit target proteins for ubiquitination and removal by the proteasome. The synthesis of PROTAC compounds that mediate the degradation of c-ABL and BCR-ABL by recruiting either Cereblon or Von Hippel Lindau E3 ligases is reported. Boc-C1-PEG2-C4-Cl is designated as 6-2-2[1].

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

## REFERENCES

[1]. Lai AC, et al. Modular PROTAC Design for the Degradation of Oncogenic BCR-ABL. Angew Chem Int Ed Engl. 2016 Jan 11;55(2):807-10.

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

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