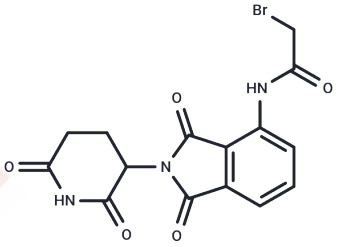
# Data Sheet (Cat.No.T18552)

TargetMol

## Pomalidomide-amido-C1-Br

### Chemical Properties



CAS No. : 2351106-38-0

Formula: C15H12BrN3O5

Molecular Weight: 394.18

Storage: Keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

### Biological Description

| | |
|---|---|
| Description | Pomalidomide-amido-C1-Br is a synthesized conjugate consisting of the Pomalidomide-based cereblon ligand and a linker, functioning as an E3 ligase ligand-linker. This compound serves as a tool for designing a B-Raf PROTAC degrader, specifically PROTAC B-Raf degrader 1, which exhibits anti-cancer activity[1]. |
| Targets(IC50) | Others,E3 Ligase Ligand-Linker Conjugates,PROTAC Linker |
| In vitro | Pomalidomide-amido-C1-Br (Compound 6) serves as a precursor for synthesizing PROTAC B-Raf degrader 1 (Compound 2), an effective anticancer agent that induces apoptosis in cancer cells by accelerating B-Raf degradation via the ubiquitin-proteasome system, affecting Mcl-1 expression, a downstream protein associated with B-Raf, highlighting its mechanism of action[1]. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 2.5369 mL | 12.6846 mL | 25.3691 mL |
| 5 mM | 0.5074 mL | 2.5369 mL | 5.0738 mL |
| 10 mM | 0.2537 mL | 1.2685 mL | 2.5369 mL |
| 50 mM | 0.0507 mL | 0.2537 mL | 0.5074 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Chen H, et al. Pomalidomide hybrids act as proteolysis targeting chimeras: Synthesis, anticancer activity and B-Raf degradation. Bioorg Chem. 2019 Jun;87:191-199.

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