

PT-179

Chemical Properties

CAS No. : 2924858-25-1

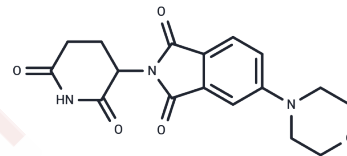
Formula: C₁₇H₁₇N₃O₅

Molecular Weight: 343.33

Store at low temperature

Storage: 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 | PT-179 is a novel IMiD derivative, a molecular gel. |
| Targets(IC50) | Ligands for E3 Ligase, Molecular Glues |

Solubility Information

| | |
|------------|---|
| Solubility | DMSO: 99 mg/mL (288.35 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.9126 mL | 14.5632 mL | 29.1265 mL |
| 5 mM | 0.5825 mL | 2.9126 mL | 5.8253 mL |
| 10 mM | 0.2913 mL | 1.4563 mL | 2.9126 mL |
| 50 mM | 0.0583 mL | 0.2913 mL | 0.5825 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

Mercer JAM, et al. Continuous evolution of compact protein degradation tags regulated by selective molecular glues. Science. 2024 Mar 15;383(6688):eadk4422.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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