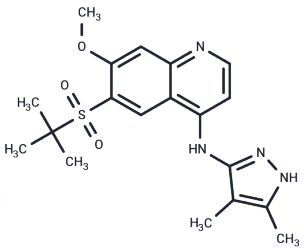
# Data Sheet (Cat.No.T12728)

TargetMol

## RIP2 Kinase Inhibitor 3

### Chemical Properties



CAS No. : 1398053-50-3

Formula: C19H24N4O3S

Molecular Weight: 388.48

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 | RIP2 Kinase Inhibitor 3 is a potent and selective inhibitor of RIP2, demonstrating an IC50 of 1 nM. |
| Targets(IC50) | RIP kinase |

### Solubility Information

| | |
|---|---|
| Solubility | DMSO: 70 mg/mL (180.19 mM),Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
| In vivo Formulation | 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (5.15 mM),Sonication is recommended.<br>*Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.* |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 2.5741 mL | 12.8707 mL | 25.7414 mL |
| 5 mM | 0.5148 mL | 2.5741 mL | 5.1483 mL |
| 10 mM | 0.2574 mL | 1.2871 mL | 2.5741 mL |
| 50 mM | 0.0515 mL | 0.2574 mL | 0.5148 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

Haile PA, et al. Identification of Quinoline-Based RIP2 Kinase Inhibitors with an Improved Therapeutic Index to the hERG Ion Channel. ACS Med Chem Lett. 2018 Sep 26;9(10):1039-1044.



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