

HCH6-1

Chemical Properties

CAS No. : 1435265-06-7

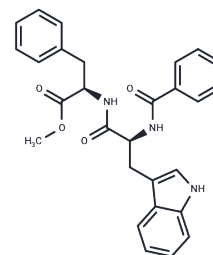
Formula: C₂₈H₂₇N₃O₄

Molecular Weight: 469.53

Keep away from moisture

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 | HCH6-1 is a competitive Formyl peptide receptor 1 (FPR1) antagonist. |
| Targets(IC50) | Others |

Solubility Information

| | |
|---------------------|---|
| Solubility | DMSO: 35 mg/mL (74.54 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
| In vivo Formulation | 10% DMSO+90% Saline: < 3.5 mg/mL (7.45 mM), Lower concentrations may be soluble, but exact solubility limit is unknown. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.5 mg/mL (7.45 mM), Solution. <i>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.</i> |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.1298 mL | 10.6489 mL | 21.2979 mL |
| 5 mM | 0.426 mL | 2.1298 mL | 4.2596 mL |
| 10 mM | 0.213 mL | 1.0649 mL | 2.1298 mL |
| 50 mM | 0.0426 mL | 0.213 mL | 0.426 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

Yang SC, et al. Dipeptide HCH6-1 inhibits neutrophil activation and protects against acute lung injury by blocking FPR1. Free Radic Biol Med. 2017 May;106:254-269

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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