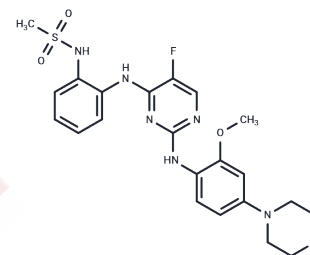


CZC-25146

Chemical Properties

CAS No. : 1191911-26-8
 Formula: C₂₂H₂₅FN₆O₄S
 Molecular Weight: 488.54
 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 | CZC-25146 (CHEMBL2397014) is an effective, specific and metabolically stable LRRK2 inhibitor with IC ₅₀ of 4.76/6.87 nM for wild-type LRRK2(Leucine-rich repeat kinase-2) and G2019S LRRK2, respectively. |
| Targets(IC ₅₀) | LRRK2,PPAR |

Solubility Information

| | |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Solubility | DMSO: 60 mg/mL (122.81 mM),Sonication is recommended. (< 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 (4.09 mM),Sonication is recommended. <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 | 2.0469 mL | 10.2346 mL | 20.4692 mL |
| 5 mM | 0.4094 mL | 2.0469 mL | 4.0938 mL |
| 10 mM | 0.2047 mL | 1.0235 mL | 2.0469 mL |
| 50 mM | 0.0409 mL | 0.2047 mL | 0.4094 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

Ramsden N, et al. ACS Chem Biol. 2011 Oct 21;6(10):1021-8.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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