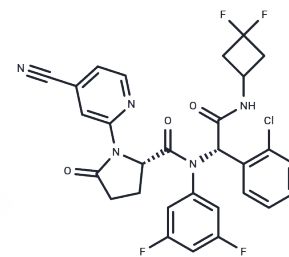


AGI-14100

Chemical Properties

CAS No. : 1448346-43-7
 Formula: C₂₉H₂₂ClF₄N₅O₃
 Molecular Weight: 599.96
 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 | AGI-14100 is a novel and orally available mIDH1 inhibitor. AGI-14100 is used for the treatment of primary human myeloid leukemia. |
| Targets(IC50) | Dehydrogenase, Isocitrate Dehydrogenase (IDH) |
| In vivo | AGI-14100 (50 mg/kg; oral; single; female nude BALB/c mice) inhibition robust tumor 2-HG was achieved 12 hours post-dose demonstrating desirable in vivo results.[1] AGI-14100 had decent oral pharmacokinetics (PK) properties in rats (F =44 %), dogs (F =18 %), and cynomolgus monkeys (F =43 %).[1] |

Solubility Information

| | |
|------------|---|
| Solubility | DMSO: 50 mg/mL (83.34 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.6668 mL | 8.3339 mL | 16.6678 mL |
| 5 mM | 0.3334 mL | 1.6668 mL | 3.3336 mL |
| 10 mM | 0.1667 mL | 0.8334 mL | 1.6668 mL |
| 50 mM | 0.0333 mL | 0.1667 mL | 0.3334 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

Konteatis Z D, et al. Discovery and Development of Ivosidenib (AG-120: TIBSOVO®). Successful Drug Discovery. 2021: 249-271.

Popovici-Muller J, et al. Discovery of AG-120 (Ivosidenib): A First-in-Class Mutant IDH1 Inhibitor for the Treatment of IDH1 Mutant Cancers. ACS Med Chem Lett. 2018;9(4):300-305.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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