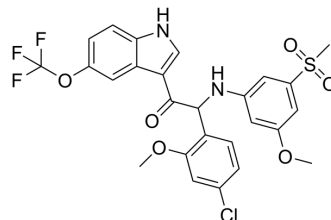


Mosnodenvir

| | | | |
|--------------------|--|-------|----------|
| Cat. No.: | HY-153810 | | |
| CAS No.: | 2043343-94-6 | | |
| Molecular Formula: | C ₂₆ H ₂₂ ClF ₃ N ₂ O ₆ S | | |
| Molecular Weight: | 582.98 | | |
| Target: | Virus Protease; Flavivirus; Dengue virus | | |
| Pathway: | Anti-infection | | |
| Storage: | Powder | -20°C | 3 years |
| | | 4°C | 2 years |
| | In solvent | -80°C | 6 months |
| | | -20°C | 1 month |



SOLVENT & SOLUBILITY

| | | | | |
|---|--|--------------------------|-----------|------------|
| In Vitro | DMSO : 100 mg/mL (171.53 mM; Need ultrasonic) | | | |
| | | Solvent Concentration | Mass | |
| | | | 1 mg | 5 mg |
| | | | 10 mg | |
| Preparing Stock Solutions | 1 mM | 1.7153 mL | 8.5766 mL | 17.1532 mL |
| | 5 mM | 0.3431 mL | 1.7153 mL | 3.4306 mL |
| | 10 mM | 0.1715 mL | 0.8577 mL | 1.7153 mL |
| Please refer to the solubility information to select the appropriate solvent. | | | | |
| In Vivo | 1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (4.29 mM); Clear solution | | | |
| | 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.29 mM); Clear solution | | | |

BIOLOGICAL ACTIVITY

| | |
|-------------|---|
| Description | Mosnodenvir (JNJ-1802) is a pan-serotype dengue antiviral agent with a high barrier to resistance, and is safe and well-tolerated. Mosnodenvir blocks the NS3-NS4B interaction within the viral replication complex. Mosnodenvir shows picomolar to low nanomolar in vitro antiviral activity in mice ^{[1][2]} . |
|-------------|---|

REFERENCES

[1]. Ackaert O, et al. Safety, tolerability and pharmacokinetics of JNJ-1802, a pan-serotype dengue direct antiviral small molecule, in a Phase 1, double-blind, randomized, dose-escalation study in healthy volunteers. Clin Infect Dis. 2023 May 10:ciad284.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA