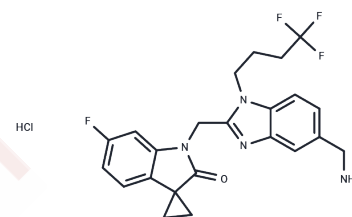


Sisunatovir hydrochloride

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 1903763-83-6 |
| Formula: | C ₂₃ H ₂₃ ClF ₄ N ₄ O |
| Molecular Weight: | 482.9 |
| 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 | Sisunatovir hydrochloride (RV521 HCl) is an orally available inhibitor of the RSV-F protein that has exhibited potent efficacy against a panel of clinical isolates of RSV-A and RSV-B viruses in vitro (IC ₅₀ = 1.4 nM for RSV-A, IC ₅₀ = 1.0 nM for RSV-B). |
| Targets(IC ₅₀) | RSV |
| In vitro | Sisunatovir HCl exhibited a mean IC ₅₀ of 1.2 nM against a panel of RSV A and B laboratory strains and clinical isolates with antiviral efficacy in the Balb/C mouse model of RSV infection[1]. |

Solubility Information

| | |
|---------------------|---|
| Solubility | DMSO: 5.5 mg/mL (11.39 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: 1 mg/mL (2.07 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 | 2.0708 mL | 10.3541 mL | 20.7082 mL |
| 5 mM | 0.4142 mL | 2.0708 mL | 4.1416 mL |
| 10 mM | 0.2071 mL | 1.0354 mL | 2.0708 mL |
| 50 mM | 0.0414 mL | 0.2071 mL | 0.4142 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

Cockerill G S , Angell R M , Bedernjak A , et al. Discovery of Sisunatovir (RV521), an Inhibitor of Respiratory Syncytial Virus Fusion[J]. Journal of medicinal chemistry, 64(7):3658-3676.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481