Ledipasvir acetone

Catalog No.C10139 Batch:C1013903

Product Datasheet

Technical Data

Formula	$C_{52}H_{60}F_2N_8O_7$					
Molecular Weight	947.08	**CAS No.**	1441674-54-9			
Solubility (25°C)*	In vitro	DMSO	100 mg/mL (105.58 mM)			
		Ethanol	100 mg/mL (105.58 mM)			
		Water	Insoluble			
	In vivo (Add solvents to the product individually and in order)	Oral Administration	Homogeneous suspension	CMC-NA	≥5mg/ml	Taking the 1 mL working solution as an example, add 5 mg of this product to 1 ml of CMC-Na solution, mix evenly to obtain a homogeneous suspension with a final concentration of 5 mg/ml.

* <1 mg/ml means slightly soluble or insoluble.
* Please note that Capsid Bio tests the solubility of all compounds in-house, and the actual solubility may differ slightly from published values. This is normal and is due to slight batch-to-batch variations.
* Room temperature shipping (Stability testing shows this product can be shipped at 2-8°C for storage purposes.)

Preparing Stock Solutions

Concentration \ Volume \ Mass	1 mg	5 mg	10 mg
1 mM	1.0559 mL	5.2794 mL	10.5588 mL
5 mM	0.2112 mL	1.0559 mL	2.1118 mL
10 mM	0.1056 mL	0.5279 mL	1.0559 mL
50 mM	0.0211 mL	0.1056 mL	0.2112 mL

Biological Activity

Description	Ledipasvir (GS-5885) acetone is the active ingredient of Ledipasvir. Ledipasvir is a potent, oral active inhibitor of the **hepatitis C virus (HCV) NS5A** with EC50 of 31 pM and 4 pM against GT1a and GT1b replicon, respectively.
Targets	GT1b replicon [1] (Cell-free assay): 4 pM(EC50) GT1a replicon [1] (Cell-free assay): 31 pM(EC50)
In vitro	Ledipasvir acetone induces HCV clearance, inhibits STAT3 protein levels and restores HNF4A expression.[1]

Protocol (from reference)

Cell Assay:[1]

- **Cell lines**
  highly permissive transformed liver Huh-7.5 cell line
- **Concentrations**
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- **Incubation Time**
  9 days
- **Method**
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(Data sourced from capsid products)

References

https://pubmed.ncbi.nlm.nih.gov/31547152/

RETURN POLICY

Capsid Bio's Unconditional Return Policy ensures a smooth online shopping experience for our customers. If you are in any way unsatisfied with your purchase, you may return any item(s) within 7 days of receiving it. In the event of product quality issues, either protocol related or product related problems, you may return any item(s) within 365 days from the original purchase date. Please follow the instructions below when returning products.

SHIPPING & STORAGE

Capsid Bio products are transported at room temperature. If you receive the product at room temperature, please rest assured, the Capsid Bio Quality Inspection Department has conducted experiments to verify that the normal temperature placement of one month will not affect the biological activity of powder products. After collecting, please store the product according to the requirements described in the datasheet. Most Capsid Bio products are stable under the recommended conditions.

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