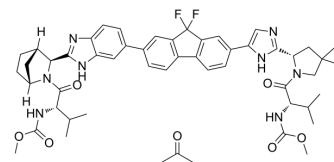


## Ledipasvir (acetone)

Cat. No.:	HY-15602A
CAS No.:	1441674-54-9
Molecular Formula:	C <sub>52</sub> H <sub>60</sub> F <sub>2</sub> N <sub>8</sub> O <sub>7</sub>
Molecular Weight:	947.08
Target:	HCV
Pathway:	Anti-infection
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (105.59 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	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			
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 (2.64 mM); Clear solution					

### BIOLOGICAL ACTIVITY

Description	Ledipasvir acetone (GS-5885 acetone) is the active ingredient of Ledipasvir. Ledipasvir is an inhibitor of the hepatitis C virus NS5A, with EC <sub>50</sub> values of 34 pM against GT1a and 4 pM against GT1b replicon.
In Vitro	Ledipasvir acetone is considered the active ingredient, which is converted to Ledipasvir spray-dried dispersion, an amorphous free base. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### CUSTOMER VALIDATION

- Signal Transduct Target Ther. 2021 May 29;6(1):212.
- Proc Natl Acad Sci U S A. 2017 Feb 21;114(8):1922-1927.

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- Antiviral Res. 2017 Mar;139:18-24.
  - Int J Radiat Oncol Biol Phys. 2016 Nov 15;96(4):867-876.
  - J Gastroenterol. 2019 May;54(5):449-458.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

## REFERENCES

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[1]. Link JO, et al. Discovery of ledipasvir (GS-5885): a potent, once-daily oral NS5A inhibitor for the treatment of hepatitis C virus infection. J Med Chem. 2014 Mar 13;57(5):2033-46.

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

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