



Certificate of Analysis

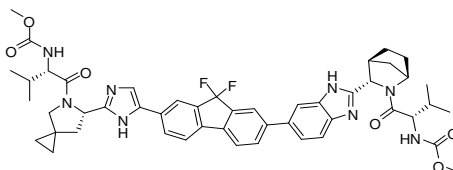
Axon Catalogue ID: 3300 **Batch Number:** 1

Product Name: Ledipasvir

Alternative Name(s): GS5885

IUPAC Name: Methyl N-[(2S)-1-[(6S)-6-[5-[9,9-difluoro-7-[2-[(1R,3S,4S)-2-[(2S)-2-(methoxycarbonylamino)-3-methylbutanoyl]-2-azabicyclo[2.2.1]heptan-3-yl]-3H-benzimidazol-5-yl]fluoren-2-yl]-1H-imidazol-2-yl]-5-azaspiro[2.4]heptan-5-yl]-3-methyl-1-oxobutan-2-yl]carbamate

Structure:



Amount:

CAS number(s): 1256388-51-8

Molecular Formula: C₄₉H₅₄F₂N₈O₆ **Molecular Weight:** 889.00

Batch Molecular Formula: C₄₉H₅₄F₂N₈O₆·1.5H₂O **Batch Molecular Weight:** 916.02

Appearance: Off-white solid **Observed mp:** 188 °C

TLC (R_f): 0.39 DCM/MeOH (9:1)

Chemical Purity: 99.8%

Optical Purity (ee): Optically pure

¹H-NMR: Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: Calculated: C 64.25, H 6.27, N 12.23; Found: C 64.02, H 6.02, N 12.17

Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	30.0	32.8	* Warming (40°C) and sonication
	DMSO	91.6	>100 mM	
	EtOH			Not Tested

Remarks: Electrostatic.
* Warming (40°C) and sonication enhanced solubility.

QC Date: 26-7-2021

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to info@axonmedchem.com indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only