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CERTIFICATE OF ANALYSIS

Analysis Date:

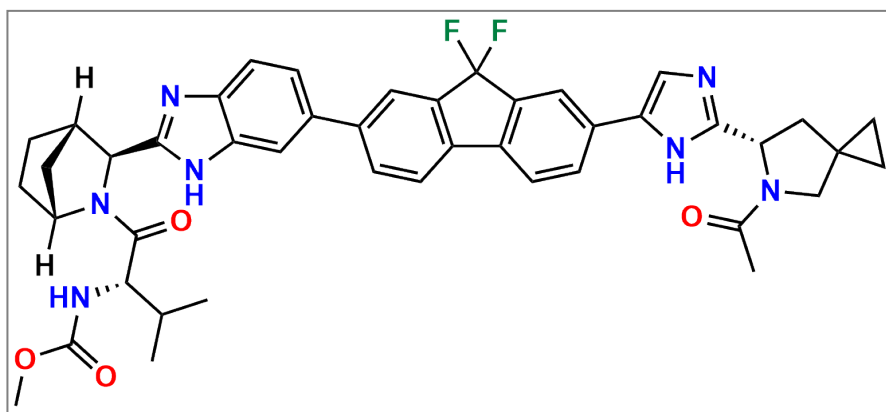
Re-test Date:

Product Name: Ledipasvir Acetyl Spiro Impurity

Identification:

Chemical Name: Methyl ((S)-1-((1R,3S,4S)-3-(6-(7-(2-((S)-5-acetyl-5-azaspiro[2.4]heptan-6-yl)-1H-imidazol-5-yl)-9,9-difluoro-9H-fluoren-2-yl)-1H-benzo[d]imidazol-2-yl)-2-azabicyclo[2.2.1]heptan-2-yl)-3-methyl-1-oxobutan-2-yl)carbamate

Synonyms : NA
CAS Number : 2040487-36-1
CAT Number : CP-L69018
Molecular Formula : C44H45F2N7O4
Molecular Weight : 773.89



Analytical Information:

| Sr. No. | Test | Result |
|---------|----------------|--------------------------|
| 1) | Description | Solid |
| 2) | Solubility | Soluble in Methanol/DMSO |
| 3) | MASS By LCMS | Confirm to structure |
| 4) | Purity By HPLC | >95% |
| 5) | H1NMR | Confirm to structure |



Prepared and Reviewed By

Ms Priyanka Salunkhe
(Manager QC Analytical)

Approved By

Ms Rohini Gagare
(QA Head)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.