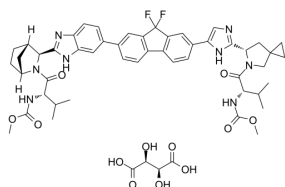


## Certificate of Analysis

<b>Product Name:</b>	Ledipasvir (D-tartrate)
<b>Cat. No.:</b>	CS-1980
<b>CAS No.:</b>	1502654-87-6
<b>Batch No.:</b>	10898
<b>Chemical Name:</b>	Carbamic acid, N-[(1S)-1-[[[(6S)-6-[5-[9,9-difluoro-7-[2-[(1R,3S,4S)-2-[(2S)-2-[(methoxycarbonyl)amino]-3-methyl-1-oxobutyl]-2-azabicyclo[2.2.1]hept-3-yl]-1H-benzimidazol-6-yl]-9H-fluoren-2-yl]-1H-imidazol-2-yl]-5-azaspiro[2.4]hept-5-yl]carbonyl]-2-methylpropyl]-, methyl ester, (2S,3S)-2,3-dihydroxybutanedioate (1:x)

### PHYSICAL AND CHEMICAL PROPERTIES

<b>Molecular Formula:</b>	C <sub>53</sub> H <sub>60</sub> F <sub>2</sub> N <sub>8</sub> O <sub>12</sub>
<b>Molecular Weight:</b>	1039.09
<b>Storage:</b>	2-8°C, sealed storage, away from moisture
<b>Chemical Structure:</b>	



### ANALYTICAL DATA

<b>Appearance:</b>	Off-white to yellow (Solid)
<b>LCMS:</b>	Consistent with structure
<b>Purity (LCMS):</b>	98.05%
<b>Conclusion:</b>	The product has been tested and complies with the given specifications.

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

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