

Specification

Technical Data Sheet

CAS 1190307-88-0	STORAGE -15 to -20 &deg;C	MOLECULAR WEIGHT 529.5
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PRODUCT**Sofosbuvir**

Product number	90037490
CAS number	1190307-88-0
Molecular formula	C22H29FN3O9P
Molecular weight	529.5 g/mol

PARAMETER	SPECIFICATION
Appearance	White to yellow solid
Heavy metals	≤10ppm
Identification	Conforms to reference
Impurity A	≤0.10%
Impurity B	≤0.10%
Impurity C	≤0.10%
Impurity D	≤0.10%
Purity (HPLC)	≥99%
pentafluorophenol and SP (by HPLC)	Pentafluorophenol: ≤0.10%. SP: ≤0.10%
Residue on Ignition	≤0.2%
Solubility	Easily soluble in ethanol, soluble in isopropanol and ethyl acetate, almost insoluble in water and n-Heptane.
Specific optical rotation	+37.0° to +41.0°
Thermal analysis	The melting endothermic temperature of the main peak should be within 118.0°C to 129.0°C
Any individual impurity	≤0.10%
Assay (HPLC on Anhydrous Basis)	98.0% - 102.0%

PARAMETER	SPECIFICATION
Water (KF)	≤0.5%

SPECIFICATION STATEMENT	The values stated above represent the standard specification for this product, issued under Molekula Ltd 's quality management system. Batch-specific results are provided on the Certificate of Analysis.
STORAGE	Store as indicated on the product label, away from light, moisture and incompatible materials.

Molekula Ltd would like to thank you for your support of our products and service.

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