

Certificate of Analysis

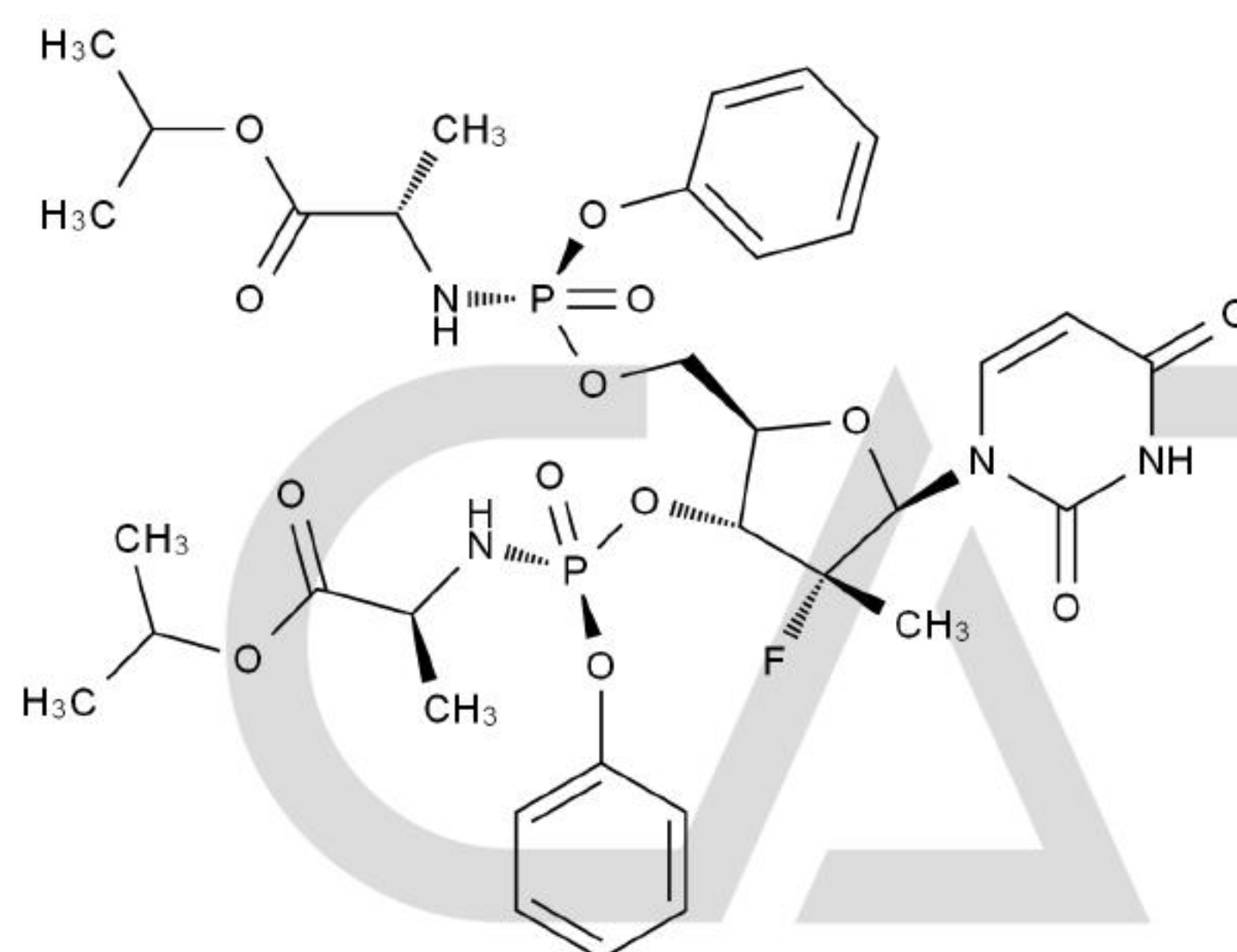
Reference Material & Standard

Product Name:	Sofosbuvir Impurity 48	Catalogue Number:	C4X-105248
Synonyms:	N/A	Lot Number:	1105-RG-0110
CAS Number:	1337482-17-3	Expiry Date:	Oct 30, 2029
Molecular Formula:	C ₃₄ H ₄₅ FN ₄ O ₁₃ P ₂	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	798.69	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&UV&HNMR	Confirmed
Purity	HPLC	98.294%
Water Content	Karl Fischer	0.53%
Residual Solvents	NMR	1.02% ethyl acetate
Assay		96.8%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Water Content - Residual Solvents) * Purity HPLC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Hin Lam

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Nov 06, 2025

Date: Nov 07, 2025

Date: Nov 07, 2025



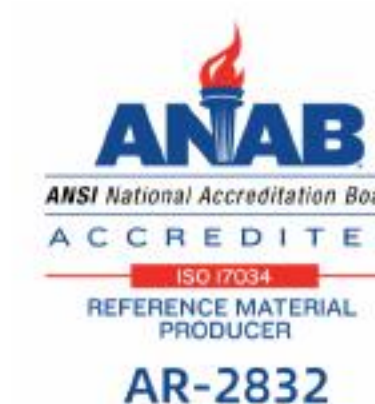
Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

Page 1 of 6



Official WeChat