

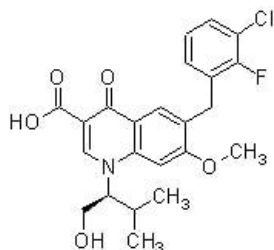
Product datasheet

Elvitegravir, quinolone HIV integrase inhibitor ab231510

Overview

Product name	Elvitegravir, quinolone HIV integrase inhibitor
Description	Potent quinolone HIV integrase inhibitor
Biological description	Elvitegravir is an inhibitor of HIV integrase. It inhibits HIV integrase from HIV 1 III _B (IC ₅₀ = 0.7 nM), HIV 2 EHO (IC ₅₀ = 2.8 nM) and HIV-2 ROD (IC ₅₀ = 1.1 nM) in cell free assays. Elvitegravir blocks integration of HIV cDNA via inhibition of DNA strand transfer. Active against a range of HIV subtypes and against multi-drug resistant clinical isolates. Potent (IC ₅₀ range = 0.21 - 1.15 nM) HIV antiviral activity in various cell-based assays.
Purity	> 99%
CAS Number	697761-98-1

Chemical structure



Properties

Chemical name	6-[(3-Chloro-2-fluorophenyl)methyl]-1-[(2S)-1-hydroxy-3-methylbutan-2-yl]-7-methoxy-4-oxoquinoline-3-carboxylic acid
Molecular weight	447.89
Molecular formula	C ₂₃ H ₂₃ ClFNO ₅
PubChem identifier	5277135
Storage instructions	Shipped at 4°C. Store at -20°C.
Solubility overview	Soluble in DMSO and dimethyl formamide to 10mg/ml and 20mg/ml respectively.
SMILES	<chem>CC(C)[C@@H](CO)N1C=C(C(=O)C2=CC(=C(C=C21)OC)CC3=C(C(=CC=C3)Cl)F)C(=O)O</chem>
Source	Synthetic

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors
- Abcam biochemicals are novel compounds and we have not tested their biological activity in house. Please use the literature to identify how to use these products effectively. If you require further assistance please contact the scientific support team