

CBL 0100 free base

Chemical Properties

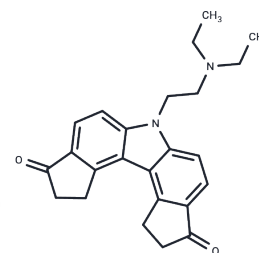
CAS No. : 1197996-83-0

Formula: C₂₄H₂₆N₂O₂

Molecular Weight: 374.48

Storage: Keep away from moisture, Store at low temperature
Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	CBL 0100 free base is an HIV-1 transcription inhibitor that blocks HIV-1 replication and reactivation in vitro and in ex vivo models. It targets the chromatin-associated transcription (FACT) complex, reducing the occupancy of RNA Polymerase II and FACT in the HIV-1 promoter region, and can be used as a latency-reversing agent (LRA) in cART therapy.
Targets(IC50)	Others, HIV Protease, DNA/RNA Synthesis
In vitro	Treatment of J-LAT A1 and A2 cells with CBL 0100 free base (0.1 μM) resulted in a decrease in both the GFP+ cell population and the GFP mean fluorescence intensity (MFI) in J-LAT A1 and A2 cells without any cytotoxicity.[1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6704 mL	13.3518 mL	26.7037 mL
5 mM	0.5341 mL	2.6704 mL	5.3407 mL
10 mM	0.267 mL	1.3352 mL	2.6704 mL
50 mM	0.0534 mL	0.267 mL	0.5341 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Jean MJ, et al. Curaxin CBL0100 Blocks HIV-1 Replication and Reactivation through Inhibition of Viral Transcriptional Elongation. Front Microbiol. 2017 Oct 17;8:2007.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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