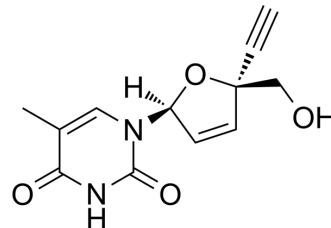


(2S,5S)-Censavudine

Cat. No.:	HY-16776A
Molecular Formula:	C ₁₂ H ₁₂ N ₂ O ₄
Molecular Weight:	248.23
Target:	HIV
Pathway:	Anti-infection
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (503.57 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		4.0285 mL	20.1426 mL	40.2852 mL
		5 mM		0.8057 mL	4.0285 mL	8.0570 mL
10 mM		0.4029 mL	2.0143 mL	4.0285 mL		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 6.25 mg/mL (25.18 mM); Suspended solution; Need ultrasonic					

BIOLOGICAL ACTIVITY

Description	(2S,5S)-Censavudine ((2S,5S)-OBP-601) is the (2S,5S)-enantiomer of Censavudine. Censavudine, a nucleoside reverse transcriptase inhibitor, is a potent HIV inhibitor ^{[1][2]} . (2S,5S)-Censavudine is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.
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REFERENCES

- [1]. Robert A Smith, et al. The Nucleoside Analog BMS-986001 Shows Greater In Vitro Activity Against HIV-2 Than Against HIV-1. *Antimicrob Agents Chemother.* 2015 Dec;59(12):7437-46.
- [2]. Long Yuan, et al. Dried Blood Spot Analysis Without Dilution: Application to the LC-MS/MS Determination of BMS-986001 in Rat Dried Blood Spot. *J Chromatogr B Analyt Technol Biomed Life Sci.* 2015 Oct 1;1002:201-9.

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

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