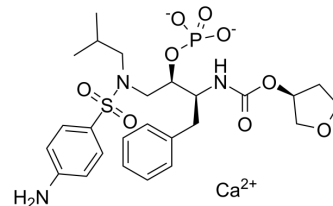


Fosamprenavir Calcium Salt

Cat. No.:	HY-17431
CAS No.:	226700-81-8
Molecular Formula:	C ₂₅ H ₃₄ CaN ₃ O ₉ PS
Molecular Weight:	623.67
Target:	HIV; Endogenous Metabolite
Pathway:	Anti-infection; Metabolic Enzyme/Protease
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 : 50 mg/mL (80.17 mM; Need ultrasonic)					
	H ₂ O : 0.25 mg/mL (0.40 mM; Need ultrasonic and warming)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		1.6034 mL	8.0171 mL	16.0341 mL
5 mM			0.3207 mL	1.6034 mL	3.2068 mL	
10 mM		0.1603 mL	0.8017 mL	1.6034 mL		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (4.01 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (4.01 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.01 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Fosamprenavir Calcium Salt (GW433908G) is a phosphate ester proagent of the antiretroviral protease inhibitor Amprenavir, with improved solubility ^[1] . Anti-HIV infection ^[1] .
IC₅₀ & Target	HIV ^[1]
In Vitro	The calcium salt of the prodrug, Fosamprenavir Calcium Salt (GW433908G), is selected for further investigation, as it appears to offer the greatest potential for the development of new drug formulations ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Nat Commun. 2020 Sep 4;11(1):4417.
- Int J Antimicrob Agents. 2019 Dec;54(6):814-819.
- Antimicrob Agents Chemother. 2020 Aug 20;64(9):e00872-20.
- Research Square Print. 2022 May.

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REFERENCES

[1]. Falcoz C, et al. Pharmacokinetics of GW433908, a prodrug of amprenavir, in healthy male volunteers. J Clin Pharmacol. 2002 Aug;42(8):887-98.

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

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