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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

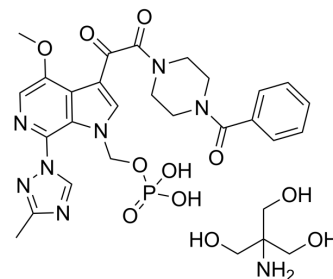
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Fostemsavir Tris

Cat. No.:	HY-15440B
CAS No.:	864953-39-9
Molecular Formula:	C ₂₉ H ₃₇ N ₈ O ₁₁ P
Molecular Weight:	704.62
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 (177.40 mM; Need ultrasonic)				
	H ₂ O : 100 mg/mL (141.92 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration Mass	1 mg	5 mg	10 mg
		1 mM	1.4192 mL	7.0960 mL	14.1920 mL
		5 mM	0.2838 mL	1.4192 mL	2.8384 mL
10 mM		0.1419 mL	0.7096 mL	1.4192 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: PBS Solubility: 50 mg/mL (70.96 mM); Clear solution; Need ultrasonic				
	2. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (2.95 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (2.95 mM); Clear solution				
	4. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (2.95 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Fostemsavir Tris (BMS-663068 (Tris)) is the phosphonoxyethyl proagent of BMS-626529. Fostemsavir Tris (BMS-663068 (Tris)) is a novel attachment inhibitor that targets HIV-1 gp120 and prevents its binding to CD4 ⁺ T cells.
IC ₅₀ & Target	HIV-1
In Vivo	Fostemsavir Tris has good antiviral activity in subjects infected with virus shown to be susceptible (IC ₅₀ , <100 nM) to the

agent^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Nowicka-Sans B, et al. In vitro antiviral characteristics of HIV-1 attachment inhibitor BMS-626529, the active component of the prodrug BMS-663068. Antimicrob Agents Chemother. 2012 Jul;56(7):3498-507.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA