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Forschungsprodukte & Biochemikalien



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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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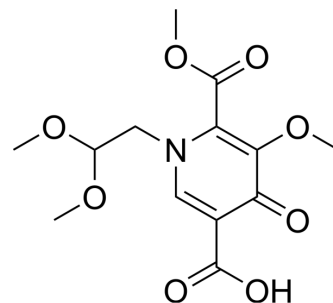
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Dolutegravir intermediate-1

Cat. No.:	HY-100083
CAS No.:	1335210-23-5
Molecular Formula:	C ₁₃ H ₁₇ NO ₈
Molecular Weight:	315.28
Target:	HIV
Pathway:	Anti-infection
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 2 years -20°C 1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (317.18 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		3.1718 mL	15.8589 mL	31.7178 mL
		5 mM		0.6344 mL	3.1718 mL	6.3436 mL
		10 mM		0.3172 mL	1.5859 mL	3.1718 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 (7.93 mM); Suspended solution; Need ultrasonic					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (7.93 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.93 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Dolutegravir intermediate-1 is a synthetic intermediate of Dolutegravir extracted from patent WO 2016125192 A2. Dolutegravir is an integrase inhibitor developed for the treatment of human immunodeficiency virus (HIV)-1 infection.
IC ₅₀ & Target	HIV-1

REFERENCES

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

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