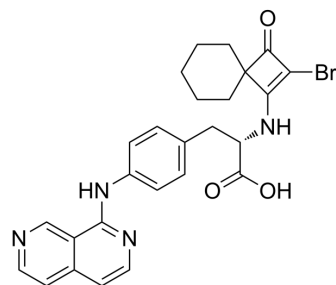


Zaurategrast

Cat. No.:	HY-70073		
CAS No.:	455264-31-0		
Molecular Formula:	C ₂₆ H ₂₅ BrN ₄ O ₃		
Molecular Weight:	521.41		
Target:	Integrin		
Pathway:	Cytoskeleton		
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 (191.79 mM; Need ultrasonic)					
		Solvent Concentration	Mass	1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	1.9179 mL	9.5894 mL	19.1788 mL	
		5 mM	0.3836 mL	1.9179 mL	3.8358 mL	
10 mM		0.1918 mL	0.9589 mL	1.9179 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: ≥ 3.25 mg/mL (6.23 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 3.25 mg/mL (6.23 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Zaurategrast (CT7758) is a potent and oral-effective α ₄ -integrin inhibitor ^[1] .
IC₅₀ & Target	α ₄ -integrin ^[1]
In Vitro	Zaurategrast (CT7758) is a carboxylate containing α4β1/α4/β7 integrin antagonist ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Glia. 2022 Sep 15.
- J Cell Mol Med. 2023 Mar 25.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Hugues Chanteux , et al. Cross-Species Differences in the Preclinical Pharmacokinetics of CT7758, an $\alpha 4\beta 1/\alpha 4\beta 7$ Integrin Antagonist. Drug Metab Dispos. 2015 Sep;43(9):1381-91.

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