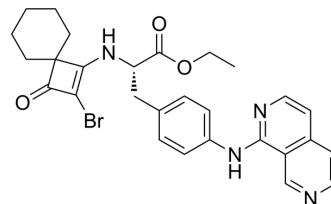


## Zaurategrast ethyl ester

Cat. No.:	HY-75385		
CAS No.:	455264-30-9		
Molecular Formula:	C <sub>28</sub> H <sub>29</sub> BrN <sub>4</sub> O <sub>3</sub>		
Molecular Weight:	549.46		
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 : 150 mg/mL (273.00 mM; Need ultrasonic)					
		Solvent Concentration	Mass	1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM		1.8200 mL	9.0998 mL	18.1997 mL
		5 mM		0.3640 mL	1.8200 mL	3.6399 mL
10 mM			0.1820 mL	0.9100 mL	1.8200 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 (4.55 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.55 mM); Clear solution					

### BIOLOGICAL ACTIVITY

Description	Zaurategrast ethyl ester (CDP323), the ethyl ester proagent of CT7758 <sup>[1]</sup> , is a $\alpha 4\beta 1/\alpha 4\beta 7$ integrin antagonist used for the treatment of inflammatory and autoimmune disorders <sup>[2]</sup> .
IC <sub>50</sub> & Target	$\alpha 4\beta 1/\alpha 4\beta 7$ integrin <sup>[1]</sup>
In Vitro	Zaurategrast ethyl ester (CDP323), an ethyl ester prodrug of CT7758, shows some improvements in increasing mass transfer <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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## REFERENCES

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- [1]. Chanteux H, 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.
- [2]. Davenport RJ, et al. Alpha4-integrin antagonism--an effective approach for the treatment of inflammatory diseases? *Drug Discov Today.* 2007 Jul;12(13-14):569-76.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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