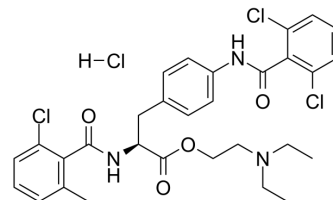


Valategrast hydrochloride

Cat. No.:	HY-14189
CAS No.:	828271-96-1
Molecular Formula:	C ₃₀ H ₃₃ Cl ₄ N ₃ O ₄
Molecular Weight:	641.41
Target:	Integrin
Pathway:	Cytoskeleton
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Valategrast hydrochloride (R-411) is a potent integrin $\alpha 4\beta 1$ (VLA-4) and $\alpha 4\beta 7$ dual antagonist. Valategrast hydrochloride has the potential for Chronic obstructive pulmonary disease (COPD) and asthma treatment ^{[1][2]} .	
IC₅₀ & Target	$\alpha 4\beta 1$	$\alpha 4\beta 7$
In Vitro	Valategrast (hydrochloride) contains a common L-phenylalanine-N-aryl motif where the carboxylic acid is responsible for binding to the metal ion in the metal-ion-dependent adhesion site (MIDAS) ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

- [1]. Woodside DG, et al. Cell adhesion antagonists: therapeutic potential in asthma and chronic obstructive pulmonary disease. *BioDrugs*. 2008;22(2):85-100.
- [2]. Halland N, et al. Small Macrocycles As Highly Active Integrin $\alpha 2\beta 1$ Antagonists. *ACS Med Chem Lett*. 2014 Jan 10;5(2):193-8.

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

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