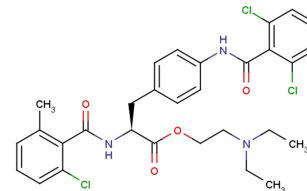


## Valategrast

## Chemical Properties

CAS No.:	220847-86-9
Formula:	C <sub>30</sub> H <sub>32</sub> Cl <sub>3</sub> N <sub>3</sub> O <sub>4</sub>
Molecular Weight:	604.95
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	Valategrast is a potent and orally active dual antagonist of integrin $\alpha 4 \beta 1$ (VLA-4) and $\alpha 4 \beta 7$ , with the potential for Chronic obstructive pulmonary disease (COPD) and asthma treatment.
Targets(IC <sub>50</sub> )	Integrin $\alpha 4 \beta 1$ ; Integrin $\alpha 4 \beta 7$ : None
In vitro	Valategrast contains a common L-phenylalanine-N-aryol group in which carboxylic acids are responsible for metal ion binding in metal ion-associated adhesion sites (MIDAS) [2].

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.653 mL	8.265 mL	16.53 mL
5 mM	0.331 mL	1.653 mL	3.306 mL
10 mM	0.165 mL	0.827 mL	1.653 mL
50 mM	0.033 mL	0.165 mL	0.331 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

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.

Inhibitors · Natural Compounds · Compound Libraries

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