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**Product Data Sheet**

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Product Name: Valategrast hydrochloride

Cat. No.: GC64212

**Chemical Properties**

Cas. No. 828271-96-1

Formula C<sub>30</sub>H<sub>33</sub>Cl<sub>4</sub>N<sub>3</sub>O<sub>4</sub>

M.Wt

641.41

Solubility

Storage

Store at -20°C

General tips

For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

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].

Valategrast (hydrochloride) contains a common l-phenylalanine-N-aroyl motif where the carboxylic acid is responsible for binding to the metal ion in the metal-ion-dependent adhesion site (MIDAS)[2].

[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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