

GSK 3008348 hydrochloride

Chemical Properties

CAS No. : 1629249-40-6

Formula: C₂₉H₃₇N₅O₂ · xHCl

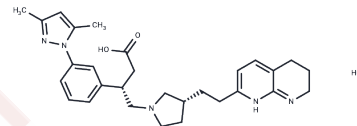
Molecular Weight:

Storage:

Store at low temperature, Keep away from moisture

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	GSK 3008348 hydrochloride is an $\alpha\text{v}\beta 6$ integrin inhibitor used to confirm idiopathic pulmonary fibrosis.
Targets(IC50)	Integrin
In vitro	<p>b>METHODS: GSK 3008348 hydrochloride was subjected to fluorescence polarization assay.</p> <p>RESULTS: The affinity of GSK 3008348 hydrochloride for human-6 protein was 8.1 (pIC50), while its affinity in the cell adhesion assay was: 6 (pIC50) for $\alpha\text{v}\beta 3$; 6.9 (pIC50) for $\alpha\text{v}\beta 5$; 8.4 (pIC50) for $\alpha\text{v}\beta 6$; and 7.7 (pIC50) for $\alpha\text{v}\beta 8$. [1]</p>

Solubility Information

Solubility	DMSO: 11.66 mg/mL, Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Reference

Anderson Niall Andrew, et al. Preparation of naphthyridine derivatives useful as $\alpha\text{v}\beta 6$ integrin antagonists. From PCT Int. Appl. (2014), WO 2014154725 A1 20141002.

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