

AMG-548 hydrochloride

Chemical Properties

CAS No. :

Formula: C₂₉H₂₈ClN₅O

Molecular Weight: 498.02

Appearance: no data available

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

Biological Description

Description	AMG-548 hydrochloride is a selective, orally active p38 α inhibitor with a K _i value of 0.5 nM, a slight selectivity for p38 β (K _i =36 nM) and a 1000-fold selectivity for p38 γ and p38 δ . AMG 548 hydrochloride also effectively inhibits whole blood LPS-stimulated TNF α with an IC ₅₀ value of 3 nM. AMG-548 hydrochloride directly inhibited casein kinase 1 isoforms δ and ϵ , which in turn inhibited Wnt signaling.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.008 mL	10.0398 mL	20.0795 mL
5 mM	0.4016 mL	2.008 mL	4.0159 mL
10 mM	0.2008 mL	1.004 mL	2.008 mL
50 mM	0.0402 mL	0.2008 mL	0.4016 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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