

EP6

Chemical Properties

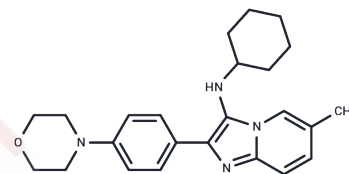
CAS No. : 1353567-32-4

Formula: C₂₄H₃₀N₄O

Molecular Weight: 390.52

Storage: 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	EP6 is an inhibitor of 5-lipoxygenase (5-LO), which is a crucial enzyme of the arachidonic acid (AA) cascade and catalyzes the formation of bioactive leukotrienes (LTs) which are involved in inflammatory diseases and allergic reactions.
Targets(IC50)	Others,Lipoxygenase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5607 mL	12.8034 mL	25.6069 mL
5 mM	0.5121 mL	2.5607 mL	5.1214 mL
10 mM	0.2561 mL	1.2803 mL	2.5607 mL
50 mM	0.0512 mL	0.2561 mL	0.5121 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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Pires ES, Choudhury AK, Idicula-Thomas S, Khole VV. Anti-HSP90 autoantibodies in sera of infertile women identify a dominant, conserved epitope EP6 (380-389) of HSP90 beta protein. *Reprod Biol Endocrinol.* 2011 Jan 27;9:16. doi: 10.1186/1477-7827-9-16. PubMed PMID: 21272367; PubMed Central PMCID: PMC3039567.

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