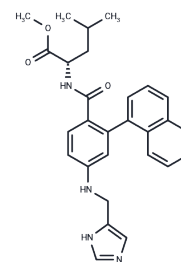


GGTI 2147

Chemical Properties

CAS No. : 191102-87-1
 Formula: C₂₈H₃₀N₄O₃
 Molecular Weight: 470.56
 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	GGTI 2147 decreased Rac1 activity, down-regulated p65 expression, and ameliorated OGD/R-induced neuronal apoptosis.
Targets(IC50)	Others,NF-κB,Rho

Solubility Information

Solubility	DMSO: 55 mg/mL (116.88 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1251 mL	10.6256 mL	21.2513 mL
5 mM	0.425 mL	2.1251 mL	4.2503 mL
10 mM	0.2125 mL	1.0626 mL	2.1251 mL
50 mM	0.0425 mL	0.2125 mL	0.425 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

Appels NM, et al. Characterization of the in vitro activity of AZD3409, a novel prenyl transferase inhibitor. *Cancer Chemother Pharmacol*. 2011 Jan;67(1):137-45.

Yuan M, et al. Inhibiting geranylgeranyltransferase I activity decreases spine density in central nervous system. *Hippocampus*. 2015 Mar;25(3):373-84.

Gao S, et al. Astrocyte GGTI-mediated Rac1 prenylation upregulates NF- κ B expression and promotes neuronal apoptosis following hypoxia/ischemia. *Neuropharmacology*. 2016 Apr;103:44-56.

Lesh RE, et al. Inhibition of geranylgeranylation blocks agonist-induced actin reorganization in human airway smooth muscle cells. *Am J Physiol Lung Cell Mol Physiol*. 2001 Oct;281(4):L824-31.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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