

AS-604850.

Chemical Properties

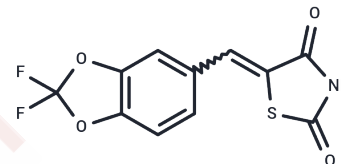
CAS No. :

Formula: C₁₁H₅F₂N₀O₄S

Molecular Weight: 285.224

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	AS-604850 is a selective and ATP-competitive PI3K γ inhibitor (IC ₅₀ = 2.5 μ M). It has over 30-fold selectivity for PI3K δ and PI3K β , and 18-fold selectivity over PI3K α .
Targets(IC ₅₀)	Others,PI3K
In vitro	AS-604850 pretreatment abolished GDC-induced phosphorylation of Akt by 50% and inhibited apoptosis by reducing GDC/TCDC/TLC-induced caspase-3 cleavage in rat hepatocytes. In PI3KCG-/-monocytes and THP-1 (human monocytic cell line), AS-604850 inhibited the PKB phosphorylation activated by MCP-1, it also blocked the MCP-1-mediated chemotaxis in a concentration-dependent manner. In RAW264 mouse macrophages, C5a-mediated PKB phosphorylation was inhibited by AS-604850 [1][2].
In vivo	In the thioglycollate-induced peritonitis model that induced multiple chemokines in vivo, oral administration of 10 mg/kg AS-604850 showed a 31% decrease in neutrophil recruitment [1].

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5061 mL	17.5303 mL	35.0607 mL
5 mM	0.7012 mL	3.5061 mL	7.0121 mL
10 mM	0.3506 mL	1.753 mL	3.5061 mL
50 mM	0.0701 mL	0.3506 mL	0.7012 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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