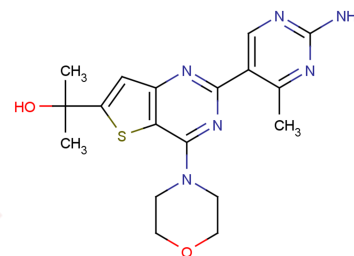


GNE-490

Chemical Properties

CAS No. : 1033739-92-2
Formula: C₁₈H₂₂N₆O₂S
Molecular Weight: 386.47
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	GNE-490 is an effective inhibitor of pan-PI3K with IC ₅₀ s of 3.5 nM, 25 nM, 5.2 nM, 15 nM for PI3K α , PI3K β , PI3K δ and PI3K γ , respectively. GNE-490 has >200 fold selectivity for mTOR (IC ₅₀ = 750 nM).
Targets(IC ₅₀)	Others,PI3K

Solubility Information

Solubility	DMSO: 50 mg/mL (129.38 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5875 mL	12.9376 mL	25.8752 mL
5 mM	0.5175 mL	2.5875 mL	5.175 mL
10 mM	0.2588 mL	1.2938 mL	2.5875 mL
50 mM	0.0518 mL	0.2588 mL	0.5175 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.

Reference

Daniel P Sutherlin, et al. Discovery of (thienopyrimidin-2-yl)aminopyrimidines as potent, selective, and orally available pan-PI3-kinase and dual pan-PI3-kinase/mTOR inhibitors for the treatment of cancer. J Med Chem. 2010

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481