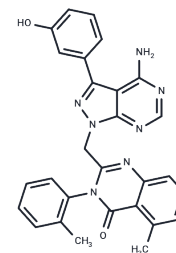


PIK-294

Chemical Properties

CAS No. : 900185-02-6
 Formula: C₂₈H₂₃N₇O₂
 Molecular Weight: 489.53
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	PIK-294 is a excellently specific p110δ inhibitor(IC ₅₀ =10 nM).
Targets(IC ₅₀)	PI3K
In vivo	PIK-294 exhibits inhibitory effects on various PI3K isoforms, including p110β, p110δ, and p110γ; however, it demonstrates low selectivity towards p110α.

Solubility Information

Solubility	Ethanol: < 1 mg/mL (insoluble or slightly soluble), DMSO: 91 mg/mL (185.9 mM), H ₂ O: < 1 mg/mL (insoluble or slightly soluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0428 mL	10.2139 mL	20.4278 mL
5 mM	0.4086 mL	2.0428 mL	4.0856 mL
10 mM	0.2043 mL	1.0214 mL	2.0428 mL
50 mM	0.0409 mL	0.2043 mL	0.4086 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

Knight ZA, et al. Cell. 2006, 125(4), 733-747.
 Bobrovnikova-Marjon E, et al. Mol Cell Biol. 2012, 32(12), 2268-2278.

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