

CEP-37440

Chemical Properties

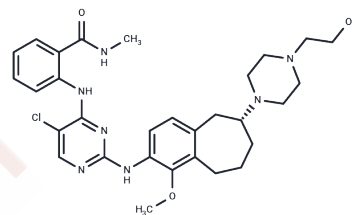
CAS No. : 1391712-60-9

Formula: C₃₀H₃₈ClN₇O₃

Molecular Weight: 580.12

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	CEP-37440 is an effective and specific Dual FAK/ALK inhibitor with IC ₅₀ s of 120 nM (ALK cellular in 75% human plasma) and 2.3 nM (FAK).
Targets(IC ₅₀)	FAK, ALK
Kinase Assay	Kinase assay: Inhibitory potency of GSK2656157 is measured using recombinant GST-PERK (536-1116 amino acids) with 6-His-full-length human eIF2α as a substrate. Kinase selectivity is evaluated using 27 kinases at GSK as well as a panel of 300 kinases.

Solubility Information

Solubility	DMSO: 2.2 mg/mL (3.79 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	1.7238 mL	8.6189 mL	17.2378 mL
5 mM	0.3448 mL	1.7238 mL	3.4476 mL
10 mM	0.1724 mL	0.8619 mL	1.7238 mL
50 mM	0.0345 mL	0.1724 mL	0.3448 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

Iragavarapu C, et al. J Hematol Oncol. 2015 Feb 27;8(1):17.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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