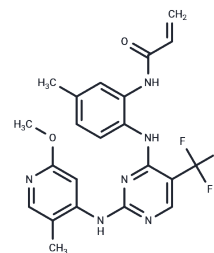


CC-90003

Chemical Properties

CAS No. :	1621999-82-3
Formula:	C ₂₂ H ₂₁ F ₃ N ₆ O ₂
Molecular Weight:	458.44
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	CC-90003 is a selective inhibitor of ERK 1/2. It has antitumor activity.
Targets(IC50)	ERK
In vitro	CC-90003 is an irreversible and selective ERK 1/2 inhibitor with antitumor activity [1].

Solubility Information

Solubility	DMSO: 125 mg/mL (272.66 mM), Sonication is recommended. H ₂ O: < 0.1 mg/mL (insoluble), (< 1 mg/mL refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1813 mL	10.9066 mL	21.8131 mL
5 mM	0.4363 mL	2.1813 mL	4.3626 mL
10 mM	0.2181 mL	1.0907 mL	2.1813 mL
50 mM	0.0436 mL	0.2181 mL	0.4363 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

Monica M. Mita, et al. A phase Ia study of CC-90003, a selective extracellular signal-regulated kinase (ERK) inhibitor, in patients with relapsed or refractory BRAF or RAS-mutant tumors. *Journal of Clinical Oncology* 35, no. 15_suppl (May 20 2017) 2577-2577.

Jin X, Yang Y, Liu D, et al. Identification of a covalent NEK7 inhibitor to alleviate NLRP3 inflammasome-driven metainflammation. *Cell Communication and Signaling*. 2024, 22(1): 565.

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