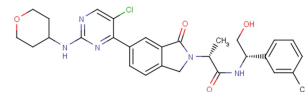


ERK1/2 inhibitor 1

Chemical Properties

CAS No.:	2095719-90-5
Formula:	C ₂₉ H ₃₂ ClN ₅ O ₄
Molecular Weight:	550.05
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	ERK1/2 inhibitor 1 is a potent, orally bioavailable ERK1/2 inhibitor, showing 60% inhibition at 1 nM and an IC ₅₀ of 3.0 nM against ERK1 and ERK2, respectively.
Targets(IC ₅₀)	ERK2: 3.0 nM ERK1: None
In vitro	ERK1/2 inhibitor 1 shows excellent antiproliferative potency with IC ₅₀ s of 7.5 and 4.9 nM in Colo205 cells and A375, respectively.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.818 mL	9.09 mL	18.18 mL
5 mM	0.364 mL	1.818 mL	3.636 mL
10 mM	0.182 mL	0.909 mL	1.818 mL
50 mM	0.036 mL	0.182 mL	0.364 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Heightman TD, et al. Fragment-Based Discovery of a Potent, Orally Bioavailable Inhibitor That Modulates the Phosphorylation and Catalytic Activity of ERK1/2. J Med Chem. 2018 Jun 14;61(11):4978-4992.

Inhibitors · Natural Compounds · Compound Libraries

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