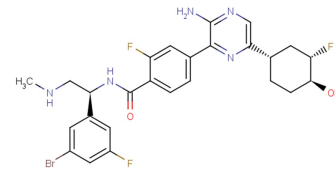


ERK-IN-1

Chemical Properties

CAS No.:	1715025-32-3
Formula:	C ₂₆ H ₂₇ BrF ₃ N ₅ O ₂
Molecular Weight:	578.42
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	ERK-IN-1 is a RAF and ERK1/2 inhibitor in the treatment of a proliferative disease characterized by activating mutations in the MAPK pathway. The activity is particularly related to the treatment of KRAS-mutant NSCLC (non-small cell lung cancer), KRAS-mutant pancreatic cancer, BRAF-mutant NSCLC, KRAS-mutant colorectal cancer (CRC) and KRAS-mutant ovarian cancer.
Targets(IC ₅₀)	RAF: None ERK1: None
In vivo	ERK-IN-1 (50, 75 mg/kg, p.o., qd/q2d, 27 days) treatment significantly reduces the tumor volume in the Calu-6 human NSCLC subcutaneous tumor xenograft model in mice.

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	1.729 mL	8.644 mL	17.288 mL
5 mM	0.346 mL	1.729 mL	3.458 mL
10 mM	0.173 mL	0.864 mL	1.729 mL
50 mM	0.035 mL	0.173 mL	0.346 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

- WO2018051306A1.

Inhibitors · Natural Compounds · Compound Libraries

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

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