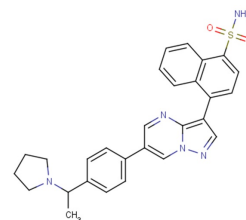


ALK2-IN-2

Chemical Properties

CAS No.:	2254409-25-9
Formula:	C ₂₈ H ₂₇ N ₅ O ₂ S
Molecular Weight:	497.61
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	ALK2-IN-2 is a potent and selective inhibitor of ALK2 (IC ₅₀ : 9 nM), and over 700-fold selectivity against ALK3.
Targets(IC ₅₀)	ALK2: 9 nM

Solubility Information

Solubility	DMSO: 125 mg/mL (251.20 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.01 mL	10.048 mL	20.096 mL
5 mM	0.402 mL	2.01 mL	4.019 mL
10 mM	0.201 mL	1.005 mL	2.01 mL
50 mM	0.04 mL	0.201 mL	0.402 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. Jiang JK, et al. Discovery of 3-(4-sulfamoylnaphthyl)pyrazolo[1,5-a]pyrimidines as potent and selective ALK2 inhibitors. Bioorg Med Chem Lett. 2018 Nov 1;28(20):3356-3362.

Inhibitors · Natural Compounds · Compound Libraries

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