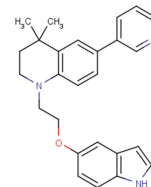


STAT5-IN-2

Chemical Properties

CAS No.:	2111834-61-6
Formula:	C ₂₆ H ₂₇ N ₃ O
Molecular Weight:	397.51
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	STAT5-IN-2 is an inhibitor of STAT5 (EC ₅₀ s: 9 μ M and 5 μ M in K562 and KU812 cells, respectively).
Targets(IC ₅₀)	K562 cells: (EC ₅₀) 9 μ M KU812 cells: 5 μ M (EC ₅₀)

Solubility Information

Solubility	DMSO: 250 mg/mL (628.91 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.516 mL	12.578 mL	25.157 mL
5 mM	0.503 mL	2.516 mL	5.031 mL
10 mM	0.252 mL	1.258 mL	2.516 mL
50 mM	0.05 mL	0.252 mL	0.503 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. Juen L, et al. New Inhibitor Targeting Signal Transducer and Activator of Transcription 5 (STAT5) Signaling in Myeloid Leukemias. J Med Chem. 2017 Jul 27;60(14):6119-6136.

Inhibitors · Natural Compounds · Compound Libraries

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