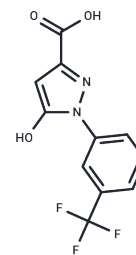


## ALKBH5-IN-3

## Chemical Properties

CAS No. :	1505579-77-0
Formula:	C <sub>11</sub> H <sub>7</sub> F <sub>3</sub> N <sub>2</sub> O <sub>3</sub>
Molecular Weight:	272.18
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	ALKBH5-IN-3 (Compound 20m) is a selective ALKBH5 inhibitor (IC <sub>50</sub> =21 nM) that effectively stabilizes ALKBH5 in HepG2 cells and elevates m6A levels in intact cells.
Targets(IC <sub>50</sub> )	ALK

## Solubility Information

Solubility	DMSO: 24 mg/mL (88.18 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.674 mL	18.3702 mL	36.7404 mL
5 mM	0.7348 mL	3.674 mL	7.3481 mL
10 mM	0.3674 mL	1.837 mL	3.674 mL
50 mM	0.0735 mL	0.3674 mL	0.7348 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Fang Z, et, al. Discovery of a potent, selective and cell active inhibitor of m6A demethylase ALKBH5. Eur J Med Chem. 2022 Aug 5;238:114446.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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