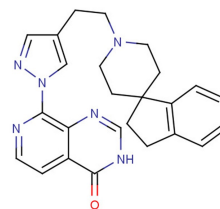


KDM4-IN-2

## Chemical Properties

CAS No.:	2369607-62-3
Formula:	C <sub>25</sub> H <sub>26</sub> N <sub>6</sub> O
Molecular Weight:	426.51
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	KDM4-IN-2 is a potent and selective KDM4/KDM5 dual inhibitor with Kis of 4 and 7 nM for KDM4A and KDM5B, respectively.
Targets(IC <sub>50</sub> )	KDM4A: 100±41 nM KDM4B: 43±21 nM KDM5B: 38 nM KDM5C: 123 nM KDM2A: 4.50 μM KDM3A: 5.78 μM KDM6B: 90.22 μM

## 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	2.345 mL	11.723 mL	23.446 mL
5 mM	0.469 mL	2.345 mL	4.689 mL
10 mM	0.234 mL	1.172 mL	2.345 mL
50 mM	0.047 mL	0.234 mL	0.469 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. Le Bihan YV, et al. C8-substituted pyrido[3,4-d]pyrimidin-4(3H)-ones: Studies towards the identification of potent, cell penetrant Jumonji C domain containing histone lysine demethylase 4 subfamily (KDM4) inhibitors, compound profiling in cell-based target engagement assays. Eur J Med Chem. 2019 Sep 1;177:316-337.

Inhibitors · Natural Compounds · Compound Libraries

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