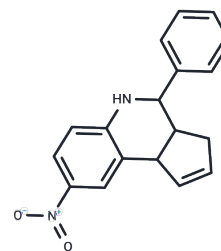


## BAP1-IN-1

## Chemical Properties

CAS No. :	353495-21-3
Formula:	C18H16N2O2
Molecular Weight:	292.33
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	BAP1-IN-1 is an inhibitor of the catalytic activity of BRCA1-associated protein 1 (BAP1), which is related to cancer and can be used to study cancer.
Targets(IC50)	Others,DUB
In vitro	After 24 h treatment at a concentration of 0.1 $\mu$ M, BAP1-IN-1 significantly affected BAP1-WT cells, altering the expression levels of 240 genes in them. Only 33 transcripts were affected in BAP1-KO cells.The changes in gene expression induced by BAP1-IN-1 were largely dependent on the functional status of the BAP1 protein. [1]
In vivo	Administration of BAP1-IN-1 (50 mg/kg/day for 4 weeks) to mice by intravenous injection was effective in slowing down the progression of ASXL1 mutant leukemia and enhancing the survival rate of mice. [1]

## Solubility Information

Solubility	DMSO: 40 mg/mL (136.83 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	3.4208 mL	17.104 mL	34.2079 mL
5 mM	0.6842 mL	3.4208 mL	6.8416 mL
10 mM	0.3421 mL	1.7104 mL	3.4208 mL
50 mM	0.0684 mL	0.3421 mL	0.6842 mL

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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

Xia YK, et al. Tumor-derived neomorphic mutations in ASXL1 impairs the BAP1-ASXL1-FOXK1/K2 transcription network. *Protein Cell*. 2021 Jul;12(7):557-577.

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