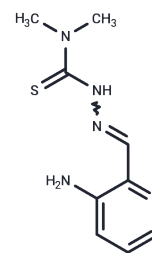


## 3-AP-Me

## Chemical Properties

CAS No. :	1184391-57-8
Formula:	C <sub>9</sub> H <sub>13</sub> N <sub>5</sub> S
Molecular Weight:	223.298
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	3-AP-Me is the dimethyl derivative of the ribonucleotide reductase inhibitor 3-AP (SML0568). It activates the endoplasmic reticulum (ER) stress pathway by promoting eIF2 $\alpha$ phosphorylation and upregulating gene expression of transcription factors ATF4 and ATF6, thereby inducing apoptosis. Additionally, 3-AP-Me activates cellular stress kinases c-Jun N-terminal kinase (JNK) and p38 mitogen-activated protein kinase, leading to the upregulation of spliced mRNA variant XBP1. It is applicable in cancer research.
Targets(IC50)	Apoptosis,JNK,p38 MAPK,PERK

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4783 mL	22.3914 mL	44.7828 mL
5 mM	0.8957 mL	4.4783 mL	8.9566 mL
10 mM	0.4478 mL	2.2391 mL	4.4783 mL
50 mM	0.0896 mL	0.4478 mL	0.8957 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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