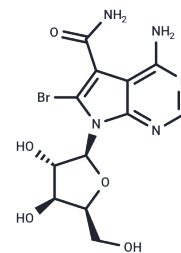


## Xylocyidine

## Chemical Properties

CAS No. :	685901-63-7
Formula:	C <sub>12</sub> H <sub>14</sub> BrN <sub>5</sub> O <sub>5</sub>
Molecular Weight:	388.17
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	Xylocyidine is a novel Cdk inhibitor, which is an effective inducer of apoptosis in hepatocellular carcinoma cells in vitro and in vivo. Xylocyidine also strongly inhibits the activity of Cdk7 and Cdk9, in vitro as well as in cell cultures, that is temporally associated with apoptotic cell death in xylocyidine-induced HCC cells. Xylocyidine can effectively suppress the growth of HCC xenografts in Balb/C-nude mice by preferentially inducing apoptosis in the xenografts, whereas the drug did not cause any apparent toxic effect on other tissues. Xylocyidine is a good candidate for an anti-cancer drug for HCC therapy.
Targets(IC50)	Others, CDK

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5762 mL	12.881 mL	25.7619 mL
5 mM	0.5152 mL	2.5762 mL	5.1524 mL
10 mM	0.2576 mL	1.2881 mL	2.5762 mL
50 mM	0.0515 mL	0.2576 mL	0.5152 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

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Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481