

Xylocyidine

Chemical Properties

| | |
|-------------------|--|
| CAS No. : | 685901-63-7 |
| Formula: | C12H14BrN5O5 |
| Molecular Weight: | 388.17 |
| Appearance: | no data available |
| Storage: | Powder: -20°C for 3 years In solvent: -80°C for 1 year |



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. |
|-------------|--|

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 36 Washington Street, Wellesley Hills, MA 02481