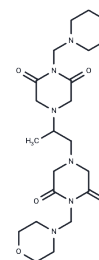


Probimane

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 108093-90-9 |
| Formula: | C ₂₁ H ₃₄ N ₆ O ₆ |
| Molecular Weight: | 466.54 |
| 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 | Probimane (AT-2153) had Anti-proliferative effects, cell cycle G2/M phase arrest and blocking of chromosome segregation in human tumor cell lines with MST-16. |
| Targets(IC50) | Others |

Solubility Information

| | |
|------------|--|
| Solubility | DMSO: 4.67 mg/mL (10.01 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.1434 mL | 10.7172 mL | 21.4344 mL |
| 5 mM | 0.4287 mL | 2.1434 mL | 4.2869 mL |
| 10 mM | 0.2143 mL | 1.0717 mL | 2.1434 mL |
| 50 mM | 0.0429 mL | 0.2143 mL | 0.4287 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.

Reference

Lu DY, et al. Anti-proliferative effects, cell cycle G2/M phase arrest and blocking of chromosome segregation by probimane and MST-16 in human tumor cell lines. BMC Pharmacol. 2005 Jun 20;5:11.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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