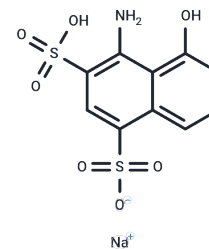


CaMKP Inhibitor

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 52789-62-5 |
| Formula: | C ₁₀ H ₈ NNaO ₇ S ₂ |
| Molecular Weight: | 341.28 |
| 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 | CaMKP Inhibitor can inhibit CaMKP. |
| Targets(IC50) | CaMK, Phosphatase |
| Kinase Assay | Biacore study: Competition assay is performed on a Biacore S51. A Series S Sensor chip CM5 is utilized for the immobilization of a PentaHis antibody for capture of the His-tagged p53. The level of capture is ~200 response units (1 response unit corresponds to 1 pg of protein per mm ²). The concentration of MDM2 protein is kept constant at 300 nM. Nutlin-3 is dissolved in DMSO at 10 mM and further diluted to make a concentration series of Nutlin-3 in each MDM2 test sample. The assay is run at 25°C in running buffer (10 mM HEPES, 0.15 M NaCl, 2% DMSO). MDM2-p53 binding in the presence of Nutlin-3 is calculated as a percentage of binding in the absence of Nutlin-3 and IC50 is calculated |

Solubility Information

| | |
|------------|---|
| Solubility | H ₂ O: 34.48 mg/mL (101.03 mM), Sonication is recommended. DMSO: 10 mM, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|------------|------------|-------------|
| 1 mM | 2.9301 mL | 14.6507 mL | 29.3015 mL |
| 5 mM | 0.586 mL | 2.9301 mL | 5.8603 mL |
| 10 mM | 0.293 mL | 1.4651 mL | 2.9301 mL |
| 50 mM | 0.0586 mL | 0.293 mL | 0.586 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

Nishizawa, E., Wynalda, D., & Lednicer, D. (1973). NON-THROMBOGENIC SURFACE INHIBITING PLATELET ADHERENCE. *ASAIO Journal*, 19(1), 13-18. doi: 10.1097/00002480-197301900-00003

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:34 Washington Street,Wellesley Hills,MA 02481