

STO-609 acetate

Chemical Properties

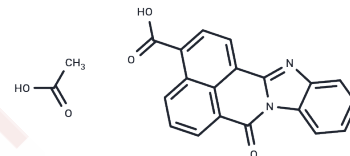
CAS No. : 1173022-21-3

Formula: C₁₉H₁₀N₂O₃·C₂H₄O₂

Molecular Weight: 374.35

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

| | |
|---------------|--|
| Description | STO-609 acetate is selective, cell-permeable inhibitor of Ca ²⁺ -calmodulin-dependent protein kinase kinase (Ki: 80/15 ng/ml, for CaM-KKα/KKβ); competes for the ATP-binding site. It displays > 80-fold selectivity over CaMK1/2/4, PKC, MLCK, PKA and p42 MAPK. |
| Targets(IC50) | CaMK |

Solubility Information

| | |
|------------|--|
| Solubility | 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 | 2.6713 mL | 13.3565 mL | 26.713 mL |
| 5 mM | 0.5343 mL | 2.6713 mL | 5.3426 mL |
| 10 mM | 0.2671 mL | 1.3356 mL | 2.6713 mL |
| 50 mM | 0.0534 mL | 0.2671 mL | 0.5343 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.

Reference

Tokumitsu H, et al. J Biol Chem. 2002 May 3;277(18):15813-8.

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