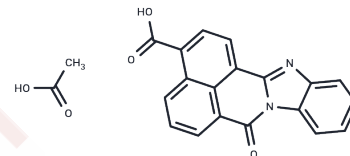


## STO-609 acetate

## Chemical Properties

CAS No. :	1173022-21-3
Formula:	C <sub>19</sub> H <sub>10</sub> N <sub>2</sub> O <sub>3</sub> ·C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>
Molecular Weight:	374.35
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	STO-609 acetate is selective, cell-permeable inhibitor of Ca <sup>2+</sup> -calmodulin-dependent protein kinase kinase (K <sub>i</sub> : 80/15 ng/ml, for CaM-KK $\alpha$ /KK $\beta$ ); competes for the ATP-binding site. It displays > 80-fold selectivity over CaMK1/2/4, PKC, MLCK, PKA and p42 MAPK.
Targets(IC50)	CaMK,AMPK,Autophagy

## Solubility Information

Solubility	DMSO: 10 mM, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## 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.

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

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

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