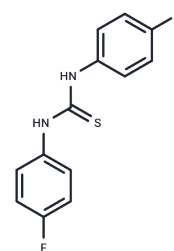


U 19963

## Chemical Properties

CAS No. : 404-52-4  
 Formula: C<sub>13</sub>H<sub>10</sub>F<sub>2</sub>N<sub>2</sub>S  
 Molecular Weight: 264.29  
 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	U 19963 is a potent inhibitor of several enzymes and receptors and has been used to study the effects of drugs on biological systems. It has been found to possess a wide range of biological activities, including anti-inflammatory, anti-tumor and antibacterial properties.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 55 mg/mL (208.1 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	3.7837 mL	18.9186 mL	37.8372 mL
5 mM	0.7567 mL	3.7837 mL	7.5674 mL
10 mM	0.3784 mL	1.8919 mL	3.7837 mL
50 mM	0.0757 mL	0.3784 mL	0.7567 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

Zhao D, et al. Synthesis of novel 4-thiazolidone derivatives as antibacterial agents against drug-resistant Staphylococcus epidermidis, Medicinal Chemistry Research, August 2013, Volume 22, Issue 8, pp 3743-3750

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