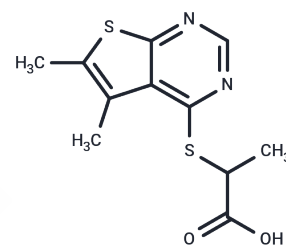


WAY-297174

## Chemical Properties

CAS No. : 442571-27-9  
 Formula: C<sub>11</sub>H<sub>12</sub>N<sub>2</sub>O<sub>2</sub>S<sub>2</sub>  
 Molecular Weight: 268.36  
 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	WAY-297174 is a human protein kinase CK2 inhibitor with IC <sub>50</sub> of > 33 μM.
Targets(IC <sub>50</sub> )	Casein Kinase

## Solubility Information

Solubility	DMSO: 50 mg/mL (186.32 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	3.7263 mL	18.6317 mL	37.2634 mL
5 mM	0.7453 mL	3.7263 mL	7.4527 mL
10 mM	0.3726 mL	1.8632 mL	3.7263 mL
50 mM	0.0745 mL	0.3726 mL	0.7453 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

Golub A G , Bdzhola V G , Briukhovetska N V , et al. Synthesis and biological evaluation of substituted (thieno[2,3-d]pyrimidin-4-ylthio)carboxylic acids as inhibitors of human protein kinase CK2[J]. European Journal of Medicinal Chemistry, 2011, 46(3):870-876.

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