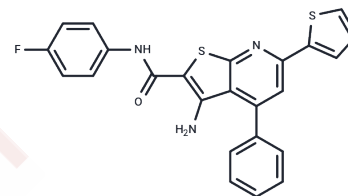


AM-001

## Chemical Properties

CAS No. : 340817-81-4  
 Formula: C<sub>24</sub>H<sub>16</sub>FN<sub>3</sub>O<sub>2</sub>  
 Molecular Weight: 445.53  
 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	AM-001, a non-competitive inhibitor of Epac1, effectively blocks the activation of Rap1, a downstream effector of Epac1, in cultured cells, and is commonly used in heart disease-related research.
Targets(IC50)	Ras

## Solubility Information

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

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2445 mL	11.2226 mL	22.4452 mL
5 mM	0.4489 mL	2.2445 mL	4.489 mL
10 mM	0.2245 mL	1.1223 mL	2.2445 mL
50 mM	0.0449 mL	0.2245 mL	0.4489 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

Laudette M, et al. Identification of a pharmacological inhibitor of Epac1 that protects the heart against acute and chronic models of cardiac stress. *Cardiovasc Res.* 2019 Oct 1;115(12):1766-1777.

**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