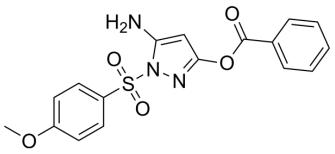
SID-852843

Cat. No.:	HY-134910
CAS No.:	909859-19-4
Molecular Formula:	$C_{17}H_{15}N_3O_5S$
Molecular Weight:	373.38
Target:	Virus Protease
Pathway:	Anti-infection
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (267.82 mM; Need ultrasonic)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	2.6782 mL	13.3912 mL	26.7824 mL
5 mM	0.5356 mL	2.6782 mL	5.3565 mL
10 mM	0.2678 mL	1.3391 mL	2.6782 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (6.70 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

SID-852843 is a WNV NS2B-NS3 proteinase inhibitor. SID-852843 can inhibit WNV NS2B-NS3 proteinase activity with IC_{50} value of 0.105 μM. SID-852843 can be used for the research of virus infection[1].

In Vitro

SID-852843 can inhibit WNV NS2B-NS3 proteinase activity with IC_{50} value of 0.105 μM[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Shyama Sidique, et al. Structure-activity relationship and improved hydrolytic stability of pyrazole derivatives that are allosteric inhibitors of West Nile Virus NS2B-NS3 proteinase. Bioorg Med Chem Lett. 2009 Oct 1;19(19):5773-7.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA