

## Arg-AMS HCl

## Chemical Properties

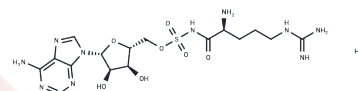
CAS No. :

Formula: C<sub>16</sub>H<sub>27</sub>ClN<sub>10</sub>O<sub>7</sub>S

Molecular Weight: 538.97

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	Arg-AMS HCl is an inhibitor of arginyl-tRNA synthetase and can bind tightly to the A-domain of nonribosomal peptide synthetases (NRPSs).
Targets(IC50)	Others
In vitro	Arg-AMS HCl inhibits the Orn activation domain of GrsB (IC <sub>50</sub> = 4.6 μM) [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8554 mL	9.277 mL	18.5539 mL
5 mM	0.3711 mL	1.8554 mL	3.7108 mL
10 mM	0.1855 mL	0.9277 mL	1.8554 mL
50 mM	0.0371 mL	0.1855 mL	0.3711 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

Kasai S, et al. Functional profiling of adenylation domains in nonribosomal peptide synthetases by competitive activity-based protein profiling. Chem Commun (Camb). 2015 Nov 11;51(87):15764-7.

**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