

## Arg-AMS

## Chemical Properties

CAS No. : 301351-95-1

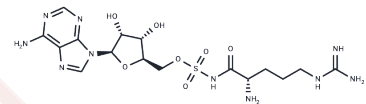
Formula: C16H26N10O7S

Molecular Weight: 502.51

Store at low temperature

Storage: Store at -20°C

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Arg-AMS is an arginine tRNA synthetase inhibitor with antiviral activity that targets the host protein CD163 to inhibit porcine blue ear virus and the highly pathogenic strain HP-PRRSV, and can be used to study viral infections and myeloma.
Targets(IC50)	Others,Antiviral

## Solubility Information

Solubility	DMSO: 80 mg/mL (159.2 mM),Sonication is recommended. H2O: 80 mg/mL (159.2 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (6.57 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.990 mL	9.9501 mL	19.9001 mL
5 mM	0.398 mL	1.990 mL	3.980 mL
10 mM	0.199 mL	0.995 mL	1.990 mL
50 mM	0.0398 mL	0.199 mL	0.398 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.

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