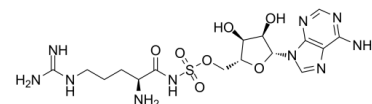


Data Sheet

Product Name:	Arg-AMS
Cat. No.:	CS-0067154
CAS No.:	301351-95-1
Molecular Formula:	C ₁₆ H ₂₆ N ₁₀ O ₇ S
Molecular Weight:	502.51
Target:	Aminoacyl-tRNA Synthetase
Pathway:	Metabolic Enzyme/Protease
Solubility:	DMSO : ≥ 100 µg/mL (199.00 mM)



BIOLOGICAL ACTIVITY:

Arg-AMS is a potent nanomolar inhibitor of **arginyl tRNA synthetase**, which displays tightly bound inhibitory characteristics for the A-domains in non-ribosomal peptide synthetases (**NRPS**) enzymes.

References:

[1]. 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.

CAIndexNames:

Adenosine, 5'-[[[(2S)-2-amino-5-[(aminoiminomethyl)amino]-1-oxopentyl]sulfamate] (9CI)

SMILES:

O[C@@H]([C@H]([C@H](N1C=NC2=C1N=CN=C2N)O3)O)[C@H]3COS(=O)(NC([C@@H](N)CCCNC(N)=N)=O)=O

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

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