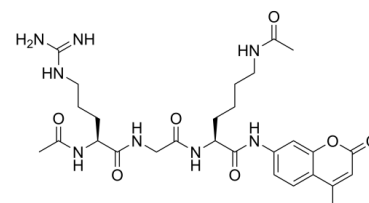


## Data Sheet

<b>Product Name:</b>	Ac-Arg-Gly-Lys(Ac)-AMC
<b>Cat. No.:</b>	CS-0134449
<b>CAS No.:</b>	660846-97-9
<b>Molecular Formula:</b>	C <sub>28</sub> H <sub>40</sub> N <sub>8</sub> O <sub>7</sub>
<b>Molecular Weight:</b>	600.67
<b>Target:</b>	HDAC
<b>Pathway:</b>	Cell Cycle/DNA Damage; Epigenetics
<b>Solubility:</b>	10 mM in DMSO



### BIOLOGICAL ACTIVITY:

Ac-Arg-Gly-Lys(Ac)-AMC is a substrate for HDAC<sup>[1]</sup>. *In Vitro*: Following initial inhibition of HDACs, the peptide substrate Ac-Arg-Gly-Lys-AMC is added to the reaction tubes for next 30 min and finally the stop solution stopped the reaction mediated by HDAC enzymes [1].

### References:

[1]. Meike Kesphol, et al. The Microbial Metabolite Butyrate Induces Expression of Th1-Associated Factors in CD4 + T Cells Front Immunol. 2017 Aug 28;8:1036.

### CAIndexNames:

L-Lysinamide, N2-acetyl-L-arginylglycyl-N6-acetyl-N-(4-methyl-2-oxo-2H-1-benzopyran-7-yl)-

### SMILES:

CC(C1=CC=C(NC([C@H](CCCCNC(C)=O)NC(CNC([C@@H](NC(C)=O)CCCNC(N)=N)=O)=O)C=C1O2)=CC2=O

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

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