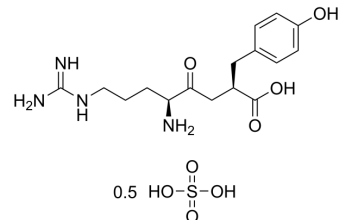


## Arphamenine B hemisulfate

<b>Cat. No.:</b>	HY-136887
<b>CAS No.:</b>	144110-38-3
<b>Molecular Formula:</b>	C <sub>16</sub> H <sub>24</sub> N <sub>4</sub> O <sub>4</sub> ·1/2H <sub>2</sub> O <sub>4</sub> S
<b>Molecular Weight:</b>	770.85
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Arphamenine B (hemisulfate) is a Zn<sup>2+</sup>-dependent exopeptidase that selectively removes arginine and/or lysine residues from the NH<sub>2</sub>-terminus of several peptide substrates. Arphamenine B (hemisulfate) Arphamenine B (hemisulfate) is an inhibitor of aminopeptidase B that can be isolated from bacteria. Arphamenine B (hemisulfate) enhances the immune response and is used to characterize novel proteases<sup>[1][2][3]</sup>.

### REFERENCES

- [1]. Foulon T, et al. Aminopeptidase B (EC 3.4.11.6). *Int J Biochem Cell Biol.* 1999 Jul;31(7):747-50.
- [2]. Umezawa H, et al. Arphamenines A and B, new inhibitors of aminopeptidase B, produced by bacteria. *J Antibiot (Tokyo).* 1983 Nov;36(11):1572-5
- [3]. Kubo H, et al. Involvement of sperm proteases in the binding of sperm to the vitelline envelope in *Xenopus laevis*. *Zoolog Sci.* 2008 Jan;25(1):80-7.

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

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