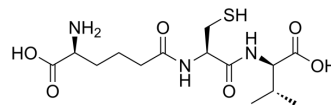


ACV Tripeptide

Cat. No.:	HY-P3519
CAS No.:	32467-88-2
Molecular Formula:	C ₁₄ H ₂₅ N ₃ O ₆ S
Molecular Weight:	363.43
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

ACV Tripeptide is a key biosynthetic precursor of penicillin and cephalosporins and is found in *Penicillium chrysogenum* and *Acremonium chrysogenum*. ACV Tripeptide is synthesized by a large non-ribosomal peptide synthase called ACV synthase, which is encoded by the 11 kb *pchAB* gene encodes this enzyme^[1].

REFERENCES

[1]. Martin JF, et al. Alpha-aminoadipyl-cysteinyl-valine synthetases in beta-lactam producing organisms. From Abraham's discoveries to novel concepts of non-ribosomal peptide synthesis. *J Antibiot (Tokyo)*. 2000 Oct;53(10):1008-21.

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

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