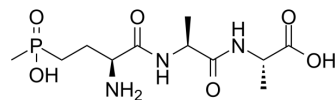


## Bilanafos

Cat. No.:	HY-122494
CAS No.:	35597-43-4
Molecular Formula:	C <sub>11</sub> H <sub>22</sub> N <sub>3</sub> O <sub>6</sub> P
Molecular Weight:	323
Sequence:	{phosphinothricin}-Ala-Ala
Sequence Shortening:	{phosphinothricin}-AA
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

Bilanafos is a natural organic phosphine tripeptide antibiotic metabolized by *Streptomyces hygroscopicus* or *Streptomyces viridochromogenes*. Bialaphos has antimicrobial activity against Gram-negative and positive bacteria as well as some fungal plant diseases<sup>[1]</sup>.

## REFERENCES

[1]. Takeshi Murakami, et al. The bialaphos biosynthetic genes of *Streptomyces hygroscopicus*: Molecular cloning and characterization of the gene cluster. *Molecular and General Genetics MGG* volume 205, pages 42–53 (1986)

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

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