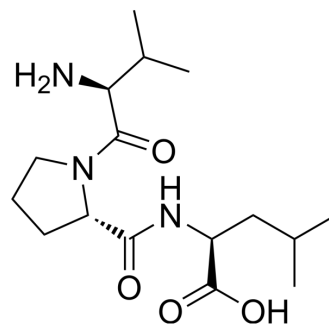


## Diprotin B

Cat. No.:	HY-111173
CAS No.:	90614-49-6
Molecular Formula:	C <sub>16</sub> H <sub>29</sub> N <sub>3</sub> O <sub>4</sub>
Molecular Weight:	327.42
Sequence Shortening:	VPL
Target:	Dipeptidyl Peptidase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Diprotin B is a dipeptidyl aminopeptidase IV (DPP IV) inhibitor. The apparent competitive inhibition of DPP-IV by the diprotins is a kinetic artifact, derived from the substrate-like nature of tripeptides containing a penultimate proline residue [1][2].

### REFERENCES

[1]. Rahfeld J, et al. Are diprotin A (Ile-Pro-Ile) and diprotin B (Val-Pro-Leu) inhibitors or substrates of dipeptidyl peptidase IV? *Biochim Biophys Acta*. 1991 Jan 29;1076(2):314-6.

[2]. Hatanaka T, et al. Inhibitory effect of collagen-derived tripeptides on dipeptidylpeptidase-IV activity. *J Enzyme Inhib Med Chem*. 2014 Dec;29(6):823-8.

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

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