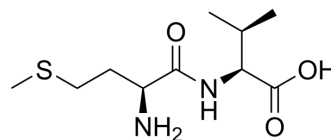


## H-Met-Val-OH

Cat. No.:	HY-P4439
CAS No.:	14486-13-6
Molecular Formula:	C <sub>10</sub> H <sub>20</sub> N <sub>2</sub> O <sub>3</sub> S
Molecular Weight:	248.34
Sequence:	H-Met-Val-OH
Sequence Shortening:	MV
Target:	Amino Acid Derivatives
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	H-Met-Val-OH is a dipeptide containing free N-terminal methionine. H-Met-Val-OH exhibits activity against cDNA expressing Flavin-containing monooxygenase (FMO) 1 and FMO3. H-Met-Val-OH has potential applications in the growth of neuritis <sup>[1][2]</sup> .
<b>In Vitro</b>	H-Met-Val-OH (1 mM and 5 mM) is oxidized by cDNA expressed human Flavin-containing monooxygenase (FMO) 3 <sup>[1]</sup> . H-Met-Val-OH (5 mM) is oxidized by cDNA expressed human FMO 1 <sup>[1]</sup> . H-Met-Val-OH (0, 0.2, 2, 20 and 200 μM; 24 h) synergistically promotes neurite growth in PC12 cells with dibutyl cyclic AMP (Bt <sub>2</sub> cAMP, 0.5 mM) <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Elfarra AA, et al. Potential roles of flavin-containing monooxygenases in sulfoxidation reactions of L-methionine, N-acetyl-L-methionine and peptides containing L-methionine. *Biochim Biophys Acta*. 2005 Jan 17;1703(2):183-9.

[2]. Koga T, et al. Neurite Outgrowth-Promoting Compounds from Cockscomb Hydrolysate. *Nutrients*. 2022 Mar 29;14(7):1422.

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

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