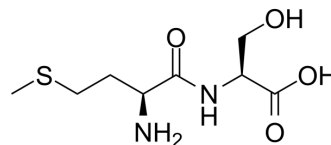


Methionylserine

Cat. No.:	HY-W012159
CAS No.:	14517-43-2
Molecular Formula:	C ₈ H ₁₆ N ₂ O ₄ S
Molecular Weight:	236.29
Target:	Angiotensin-converting Enzyme (ACE)
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Methionylserine (H-MET-SER-OH) is a methionine- and serine-containing dipeptide. Methionylserine binds to and translocates via intestinal di/tri-peptide transporter 1 (hPEPT1) with a K_m value of 0.2 mM. Methionylserine inhibits ACE enzyme activity. Methionylserine can be used in the research of hypertension ^{[1][2]} .
IC ₅₀ & Target	hPEPT1 ^[1] , ACE ^[2] .

REFERENCES

[1]. Diana Højmark Omkvist, et al. Affinity and translocation relationships via hPEPT1 of H-X aa-Ser-OH dipeptides: evaluation of H-Phe-Ser-OH as a pro-moiety for ibuprofen and benzoic acid prodrugs. Eur J Pharm Biopharm. 2011 Feb;77(2):327-31.

[2]. Pan Wuguang, et al. Application of sulfur dipeptide for preparing antihypertensive drug or health care product. Patent WO2019006954.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA