

N-Hippuryl-His-Leu hydrate

Chemical Properties

CAS No. : 207386-83-2

Formula: C₂₁H₂₇N₅O₅ · xH₂O

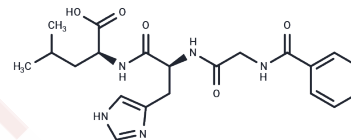
Molecular Weight:

Storage:

Keep away from moisture, Store at low temperature

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	N-Hippuryl-His-Leu hydrate (N-Benzoyl-Gly-His-Leu hydrate) is a peptide compound that is an angiotensin-converting enzyme (ACE) substrate and can be used as a model peptide for measuring ACE-I inhibitory activity.
Targets(IC50)	Angiotensin-converting Enzyme (ACE)

Solubility Information

Solubility	DMF: 8.00 mg/mL, Sonication is recommended. PBS (pH 7.2): 1.00 mg/mL, Sonication is recommended. Ethanol: 1.00 mg/mL, Sonication is recommended. DMSO: 8.00 mg/mL, Sonication is recommended. H ₂ O: 10.00 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Reference

Yathisha UG, et al. Physicochemical properties and angiotensin-I converting enzyme inhibitory activity of lipid-free ribbon fish (*Lepturacanthus savala*) protein hydrolysate. *J Food Sci Technol*. 2023 Jan;60(1):340-352.

Karakaya S, et al. Vegetable product containing caseinomacropeptide and germinated seed and sprouts. *J Food Sci Technol*. 2016 Jan;53(1):880-7.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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