
Product Data Sheet

Product Name: Angiotensin 1/2 (1-8) amide

Cat. No.: GP10012

Chemical Properties

Cas. No.

SMILES OC(C[C@H](N)C(N[C@@H](CCCNC(N)=N)C(N[C@@H](C(C)C)C(N[C@@H](CC1=CC=C(O)C=C1)C(N[C@@H]([C@H](CC)C)C(N[C@H](C(N2[C@H](C(N[C@@H](CC3=CC=CC=C3)C(N)=O)=O)CCC2)=O)CC4=CN=CN4)=O)=O)=O)=O)=O

Formula C₅₀H₇₂N₁₄O₁₁

M.Wt

1045.19

Solubility ≥ 104.5mg/mL in DMSO

Storage

Store at -20°C

General tips

For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

The physiologically active peptide angiotensin-2 (angiotensin 1- 8) is yielded from angiotensin-1, a substrate of ACE (angiotensin converting enzyme), by removing a dipeptide.

Angiotensin 1/2 (1-8) amide (H₂N-Asp-Arg-Val-Tyr-Ile-His-Pro-Phe-amide) is a peptide analogue to angiotensin II that is used as a vasopressor agent in the treatment of certain types of shock and circulatory collapse. It is a potent vasoconstrictor and is used as a cardiac stimulant.

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

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