



Molecular Weight: 1071.241

Accurate Mass: 1070.554918

Percentage Composition: C 59.42%; H 6.96%; N 15.69%; O 17.92%

Use/Importance: Angiotensin II receptor antagonist. Also reported by Speth et al to be an angiotensin II receptor agonist

Sigma: A1811

Other: Marketed by Bachem II

>>**Variant: 5-L-Valineangiotensin II**

CAS Registry Number: 58-49-1

Molecular Formula: C₄₉H₆₉N₁₃O₁₂

Molecular Weight: 1032.164

Accurate Mass: 1031.518867

Percentage Composition: C 57.02%; H 6.74%; N 17.64%; O 18.60%

Physical Description: Powder + 1H₂O + 2AcOH

Optical Rotation: [α]_D -53.8 (c, 1 in H₂O)

>>**Derivative:** [Asp¹]Amide

Synonym(s): **Angiotensinamide**, BAN, INN. Angiotensin amide, USAN. Hypertensin-CIBA. Ipertensina. NSC 107678

CAS Registry Number: 53-73-6

Molecular Formula: C₄₉H₇₀N₁₄O₁₁

Molecular Weight: 1031.179

Accurate Mass: 1030.534851

Percentage Composition: C 57.07%; H 6.84%; N 19.02%; O 17.07%

Use/Importance: Deriv. preferred for pharmacological and clinical investigations, showing identical activity to the parent Angiotensin. Vasoconstrictor and hypertensive agent

Physical Description: Powder + 1AcOH

Development Status: Discontinued

Optical Rotation: [α]_D -58 (c, 1 in H₂O)

References:

- Bodanszky, M. *et al.*, *Peptide Synthesis*, Wiley, N.Y., 1966, 215, (*rev*)
Thampi, N.S. *et al.*, *Life Sci.*, 1968, **7**, 641, (*synth*)
Robert, G. *et al.*, *Nature (London)*, 1969, **222**, 177, (*synth*)
Lee, M.R., *Br. J. Clin. Pharmacol.*, 1981, **12**, 605, (*rev*)
Marin-Grez, M., *Biochem. Pharmacol.*, 1982, **31**, 3941, (*rev*)
Brown, T. *et al.*, *J.C.S. Perkin I*, 1982, 1553, (*synth*)
Margolis, S.A. *et al.*, *Anal. Biochem.*, 1984, **141**, 355, (*nmr*)
Hoebel, B.G., *Brain Res. Bull.*, 1985, **14**, 525, (*rev, physiol*)
Vallotton, M.B., *Trends Pharmacol. Sci.*, 1987, **8**, 69, (*rev, biochem*)
Speth, R.C. *et al.*, *Biochem. Biophys. Res. Commun.*, 1990, **169**, 997, (*deriv, pharmacol*)
Hermann, K. *et al.*, *J. Chromatogr. Sci.*, 1990, **28**, 524, (*hplc*)
Matsoukas, J. *et al.*, *Coll. Czech. Chem. Comm.*, 1991, **56**, 1348, (*nmr, conformn*)
Martindale, *The Extra Pharmacopoeia*, 30th edn., Pharmaceutical Press, 1993, 1241
Garrison, E.A. *et al.*, *Am. J. Physiol.*, 1995, **268**, H2418, (*deriv, pharmacol*)