

Product Information

Angiotensin III (human, mouse), Purity ≥98%

Cat. No.: X24-09-YM1307

Size: 10 mg; 25 mg; 250 mg; 500 mg

MDL: MFCD00167500

CAS Number: 13602-53-4

Compound CID: 3082042

Synonym: 13602-53-4; Angiotensin III, human, mouse; Angiotensin III, human; 5-Ile-angiotensin III;

(2S)-2-[[[(2S)-1-[(2S)-2-[[[(2S,3S)-2-[[[(2S)-2-[[[(2S)-2-[[[(2S-

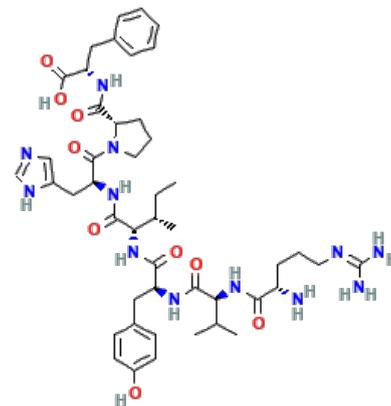
)-2-Amino-5-(diaminomethylideneamino)pentanoyl]amino]-3-methylbutanoyl]amino]-3-

(4-hydroxyphenyl)propanoyl]amino]-3-methylpentanoyl]amino]-3-

-(1H-imidazol-5-yl)propanoyl]pyrrolidine-2-carbonyl]amino]-3-phenylpropanoic

acid

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Angiotensin III (human, mouse) is a hexapeptide formed as a result of a cleavage at the <i>N</i> -terminus of Angiotensin II. The molecular weight of the compound is 931.09, and its molecular formula is C ₄₆ H ₆₆ N ₁₂ O ₉ .
Molecular Weight	931.09
Molecular Formula	C ₄₆ H ₆₆ N ₁₂ O ₉
IUPAC Name	(2S)-2-[[[(2S)-1-[(2S)-2-[[[(2S,3S)-2-[[[(2S)-2-[[[(2S)-2-[[[(2S)-2-Amino-5-(diaminomethylideneamino)pentanoyl]amino]-3-methylbutanoyl]amino]-3-(4-hydroxyphenyl)propanoyl]amino]-3-methylpentanoyl]amino]-3-(1H-imidazol-5-yl)propanoyl]pyrrolidine-2-carbonyl]amino]-3-phenylpropanoic acid
InChI	InChI=1S/C46H66N12O9/c1-5-27(4)38(57-40(61)33(21-29-15-17-31(59)18-16-29)53-42(63)37(26(2)3)56-39(60)32(47)13-9-19-51-46(48)49)43(64)54-34(23-30-24-50-25-52-30)44(65)58-20-10-14-36(58)41(62)55-35(45(66)67)22-28-11-7-6-8-12-28/h6-8,11-12,15-18,24-27,32-38,59H,5,9-10,13-14,19-23,47H2,1-4H3,(H,50,52)(H,53,63)(H,54,64)(H,55,62)(H,56,60)(H,57,61)(H,66,67)(H4,48,49,51)/t27-,32-,33-,34-,35-,36-,37-,38-/m0/s1
InChI Key	QMMRCKSBBNJCMR-KMZPNFOHSA-N

Canonical SMILES	<chem>CCC(C)C(C(=O)NC(CC1=CN=CN1)C(=O)N2CCCC2C(=O)NC(CC3=CC=CC=C3)C(=O)O)NC(=O)C(CC4=CC=C(C=C4)O)NC(=O)C(C(C)C)NC(=O)C(CCCN=C(N)N)N</chem>
Isomeric SMILES	<chem>C[C@@H](C(=O)N[C@@H](CC1=CN=CN1)C(=O)N[C@@H](C)C(=O)N[C@@H](C(C)C)C(=O)N[C@@H](CC(=O)O)C(=O)N[C@@H](C(C)C)C(=O)N[C@@H](CC(=O)N)C(=O)NCC(=O)N)NC(=O)[C@@H](CCCN=C(N)N)NC(=O)[C@H](CC(C)C)N</chem>
Form	Lyophilized powder
Purity	≥98%
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	Angiotensin III (human, mouse) can be studied extensively for its potential therapeutic applications in the treatment of cardiovascular diseases.
Storage	Store at -20°C, and keep desiccated.
