

Product Information

Angiotensin 1/2 (1-9), Purity ≥98%

Cat. No.: X24-09-YM1311

Size: 5 mg; 10 mg; 25 mg; 50 mg

CAS Number: 34273-12-6

Compound CID: 74764048

Synonym: 34273-12-6; H-ASP-ARG-VAL-TYR-ILE-HIS-PRO-PHE-HIS-OH;

3-Amino-4-[[[1-[[[1-[[[1-[[[1-[[[1-[[[1-

carboxy-2-(1*H*-imidazol-5-yl)ethyl]amino]-1-oxo

-3-phenylpropan-2-yl]carbamoyl]p

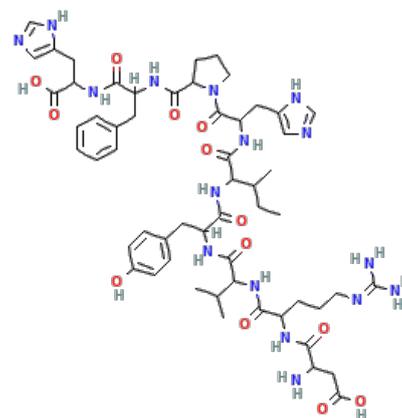
yrrolidin-1-yl]-3-(1*H*

-imidazol-5-yl)-1-oxopropan-2-yl]amino]-3-methyl-1-oxopentan-2-yl]amino]-3-(4-hydro

xyphenyl)-1-oxopropan-2-yl]amino]-3-methyl-1-oxobutan-2-yl]amino]-5-(diaminomethy

lideneamino)-1-oxopentan-2-yl]amino]-4-oxobutanoic acid

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



Product Information

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| Description | Angiotensin 1/2 (1-9) is a peptide (ASP-ARG-VAL-TYR-ILE-HIS-PRO-PHE-HIS) containing the amino acids 1-9. The molecular weight of the compound is 1183.32, and its molecular formula is $C_{56}H_{78}N_{16}O_{13}$. |
| Molecular Weight | 1183.32 |
| Molecular Formula | $C_{56}H_{78}N_{16}O_{13}$ |
| IUPAC Name | 3-Amino-4-[[[1-[[[1-[[[1-[[[1-[[[1-[[[1-carboxy-2-(1 <i>H</i> -imidazol-5-yl)ethyl]amino]-1-oxo-3-phenylpropan-2-yl]carbamoyl]pyrrolidin-1-yl]-3-(1 <i>H</i> -imidazol-5-yl)-1-oxopropan-2-yl]amino]-3-methyl-1-oxopentan-2-yl]amino]-3-(4-hydroxyphenyl)-1-oxopropan-2-yl]amino]-3-methyl-1-oxobutan-2-yl]amino]-5-(diaminomethylideneamino)-1-oxopentan-2-yl]amino]-4-oxobutanoic acid |
| InChI | InChI=1S/C56H78N16O13/c1-5-31(4)46(71-50(79)40(22-33-15-17-36(73)18-16-33)67-52(81)45(30(2)3)70-48(77)38(13-9-19-62-56(58)59)65-47(76)37(57)25-44(74)75)53(82)68-41(23-34-26-60-28-63-34)54(83)72-20-10-14-43(72)51(80)66-39(21-32-11-7-6-8-12-32)49(78)69-42(55(84)85)24-35-27-61-29-64-35/h6-8, 11-12, 15-18, 26-31, 37-43, 45-46, 73H, 5, 9-10, 13-14, 19-25, 57H2, 1-4H3, (H, 60, 63)(H, 61, 64)(H, 65, 76)(H, 66, 80)(H, 67, 81)(H, 68, 82)(H, 69, 78)(H, 70, 77)(H, 71, 79)(H, 74, 75)(H, 84, 85)(H4, 58, 59, |

62)

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|-------------------------|---|
| InChI Key | LJXGOQOPNPFXT-UHFFFAOYSA-N |
| Canonical SMILES | <chem>CCC(C)C(C(=O)NC(CC1=CN=CN1)C(=O)N2CCCC2C(=O)NC(CC3=CC=CC=C3)C(=O)NC(CC4=CN=CN4)C(=O)O)NC(=O)C(CC5=CC=C(C=C5)O)NC(=O)C(C(C)C)NC(=O)C(CCCN=C(N)N)NC(=O)C(CC(=O)O)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 1/2 (1-9) can be used for its potential agonistic effects where it may counteract some hypertensive actions. |
| Storage | Store at -20°C, and keep desiccated. |