

## Product Information

### Angiotensin (1-7), Purity ≥98%

**Cat. No.:** X24-09-YM1305

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

**MDL:** MFCD00153513

**CAS Number:** 51833-78-4

**Compound CID:** 123805

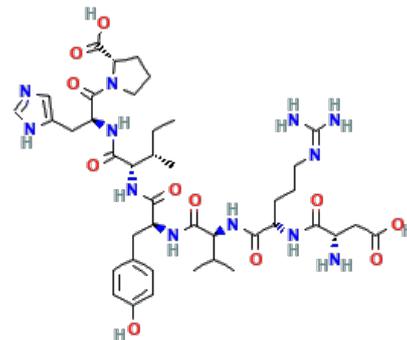
**Synonym:** 51833-78-4; Angiotensin 1-7; ASP-ARG-VAL-TYR-ILE-HIS-PRO; TXA127;

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

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

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

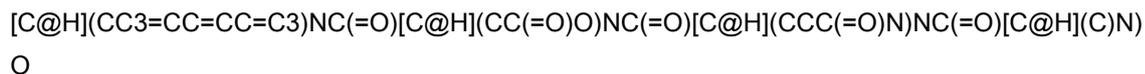
mino]-3-(1*H*-imidazol-5-yl)propanoyl]pyrrolidine-2-carboxylic acid



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

### Product Information

<b>Description</b>	Angiotensin (1-7) is an endogenous peptide fragment. The molecular weight of the compound is 899, and its molecular formula is C <sub>41</sub> H <sub>62</sub> N <sub>12</sub> O <sub>11</sub> .
<b>Molecular Weight</b>	899
<b>Molecular Formula</b>	C <sub>41</sub> H <sub>62</sub> N <sub>12</sub> O <sub>11</sub>
<b>IUPAC Name</b>	(2S)-1-[(2S)-2-[[[(2S,3S)-2-[[[(2S)-2-[[[(2S)-2-[[[(2S)-2-[[[(2S)-2-Amino-3-carboxypropanoyl]amino]-5-(diaminomethylideneamino)pentanoyl]amino]-3-methylbutanoyl]amino]-3-(4-hydroxyphenyl)propanoyl]amino]-3-methylpentanoyl]amino]-3-(1 <i>H</i> -imidazol-5-yl)propanoyl]pyrrolidine-2-carboxylic acid
<b>InChI</b>	InChI=1S/C41H62N12O11/c1-5-22(4)33(38(61)50-29(17-24-19-45-20-47-24)39(62)53-15-7-9-30(53)40(63)64)52-36(59)28(16-23-10-12-25(54)13-11-23)49-37(60)32(21(2)3)51-35(58)27(8-6-14-46-41(43)44)48-34(57)26(42)18-31(55)56/h10-13,19-22,26-30,32-33,54H,5-9,14-18,42H2,1-4H3,(H,45,47)(H,48,57)(H,49,60)(H,50,61)(H,51,58)(H,52,59)(H,55,56)(H,63,64)(H4,43,44,46)/t22-,26-,27-,28-,29-,30-,32-,33-/m0/s1
<b>InChI Key</b>	PVHLMTREZMEJCG-GDTLVBQBSA-N
<b>Canonical SMILES</b>	CCC(C)C(C(=O)NC(CC1=CN=CN1)C(=O)N2CCCC2C(=O)O)NC(=O)C(CC3=CC=C(C=C3)O)NC(=O)C(C(C)C)NC(=O)C(CCCN=C(N)N)NC(=O)C(CC(=O)O)N
<b>Isomeric SMILES</b>	C[C@H]([C@@H](C(=O)O)NC(=O)[C@H](CC(=O)N)NC(=O)[C@H](CCSC)NC(=O)[C@H](CC(C)C)NC(=O)[C@H](CC1=CN=C2=CC=CC=C21)NC(=O)[C@H](CCC(=O)N)NC(=O)[C@H](C(C)C)NC(=O)



<b>Form</b>	Lyophilized powder
<b>Purity</b>	≥98%
<b>Impurities</b>	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
<b>Identity</b>	Confirmed by NMR/HPLC/MS.
<b>Stability</b>	In its lyophilized form, the chemical remains stable for 36 months.
<b>Quality Level</b>	Research grade
<b>Applications</b>	Angiotensin (1-7) can be studied extensively for its potential therapeutic applications in the treatment of hypertension and heart disease.
<b>Storage</b>	Store at -20°C, and keep desiccated.