

Product Information

Influenza hemagglutinin peptide, Purity ≥98%

Cat. No.: X24-09-YM1322

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

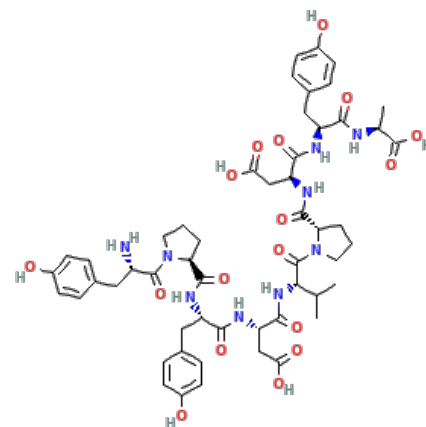
CAS Number: 92000-76-5

Compound CID: 10235423

Synonym: 92000-76-5; HA peptide;

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

)-2-Amino-3-(4-hydroxyphenyl)propanoyl]pyrrolidine-2-carbonyl]amino]-3-(4-hydroxyphenyl)propanoyl]amino]-3-carboxypropanoyl]amino]-3-methylbutanoyl]pyrrolidine-2-carbonyl]amino]-4-[[[(2S)-1-[(1S)-1-carboxyethyl]amino]-3-(4-hydroxyphenyl)-1-oxopropan-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 | Influenza hemagglutinin peptide is a tag peptide derived from an epitope of the influenza hemagglutinin protein. The molecular weight of the compound is 1102.15, and its molecular formula is $C_{53}H_{67}N_9O_{17}$. |
| Molecular Weight | 1102.15 |
| Molecular Formula | $C_{53}H_{67}N_9O_{17}$ |
| IUPAC Name | (3S)-3-[[[(2S)-1-[(2S)-2-[[[(2S)-2-[[[(2S)-2-[[[(2S)-1-[(2S)-2-Amino-3-(4-hydroxyphenyl)propanoyl]pyrrolidine-2-carbonyl]amino]-3-(4-hydroxyphenyl)propanoyl]amino]-3-carboxypropanoyl]amino]-3-methylbutanoyl]pyrrolidine-2-carbonyl]amino]-4-[[[(2S)-1-[(1S)-1-carboxyethyl]amino]-3-(4-hydroxyphenyl)-1-oxopropan-2-yl]amino]-4-oxobutanoic acid |
| InChI | InChI=1S/C53H67N9O17/c1-27(2)44(52(77)62-21-5-7-41(62)50(75)59-38(25-42(66)67)47(72)56-36(45(70)55-28(3)53(78)79)23-30-10-16-33(64)17-11-30)60-48(73)39(26-43(68)69)57-46(71)37(24-31-12-18-34(65)19-13-31)58-49(74)40-6-4-20-61(40)51(76)35(54)22-29-8-14-32(63)15-9-29/h8-19,27-28,35-41,44,63-65H,4-7,20-26,54H2,1-3H3,(H,55,70)(H,56,72)(H,57,71)(H,58,74)(H,59,75)(H,60,73)(H,66,67)(H,68,69)(H,78,79)/t28-,35-,36-,37-,38-,39-,40-,41-,44-/m0/s1 |
| InChI Key | HVLSXIKZNLZJJ-TXZCQADKSA-N |

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|-------------------------|--|
| Canonical SMILES | <chem>CC(C)C(C(=O)N1CCCC1C(=O)NC(CC(=O)O)C(=O)NC(CC2=CC=C(C=C2)O)C(=O)NC(C)C(=O)O)NC(=O)C(CC(=O)O)NC(=O)C(CC3=CC=C(C=C3)O)NC(=O)C4CCCN4C(=O)C(CC5=CC=C(C=C5)O)N</chem> |
| Isomeric SMILES | <chem>CC(C)C[C@@H](C(=O)N[C@@H](CCCN=C(N)N)C(=O)N1CCC[C@H]1C(=O)NCC(=O)N)NC(=O)CNC(=O)[C@H](CC2=CC=C(C=C2)O)NC(=O)[C@H](CO)NC(=O)[C@H](CC3=CNC4=CC=CC=C43)NC(=O)[C@H](CC5=CN=CN5)NC(=O)[C@@H]6CCC(=O)N6.CC(=O)O.CC(=O)O</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 | Influenza hemagglutinin peptide can be studied extensively for its potential therapeutic applications in the treatment of influenza by inhibiting viral infection. |
| Storage | Store at -20°C, and keep desiccated. |
