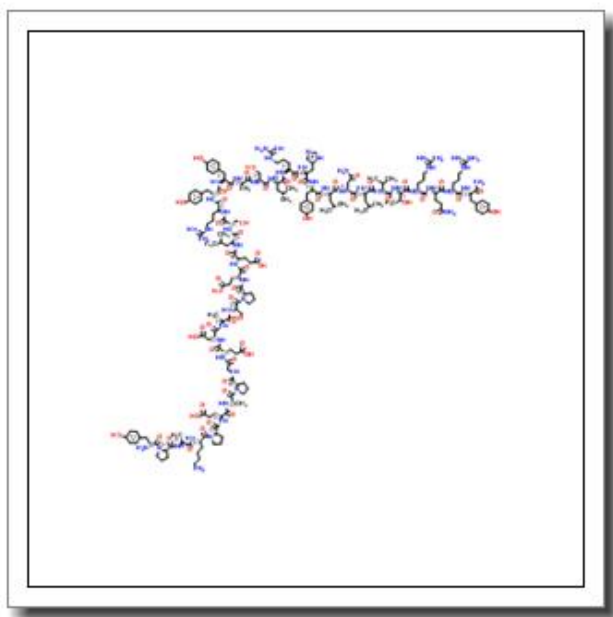


(4S)-5-[[[(1S)-2-[[[(1S)-2-[[[(1S)-2-[(2S)-2-
[[[(1S)-1-[[[(1S)-1-[[[(1S)-1-[[[(1S)-2-[[[(1S)-
1-[[[(1S)-2-[[[(1S)-2-[[[(1S)-2-[[[(1S)-2-
[[[(1S)-1-[[[(1S)-1-[[[(1S)-2-[[[(1S)-2-[[[(1S)-
1-[[[(1S)-3-amino-1-[[[(1S)-1-[[[(1S)-1-
[[[(1S,2R)-1-[[[(1S)-1-[[[(1S)-4-amino-1-
[[[(1S)-1-[[[(1S)-2-amino-1-[(4-
hydroxyphenyl)methyl]-2-oxo-
ethyl]carbamoyl]-4-guanidino-
butyl]carbamoyl]-4-oxo-
butyl]carbamoyl]-4-guanidino-
butyl]carbamoyl]-2-hydroxy-
propyl]carbamoyl]-2-methyl-
propyl]carbamoyl]-3-methyl-
butyl]carbamoyl]-3-oxo-
propyl]carbamoyl]-3-methyl-
butyl]amino]-1-[(4-
hydroxyphenyl)methyl]-2-oxo-
ethyl]amino]-1-(1H-imidazol-5-
ylmethyl)-2-oxo-ethyl]carbamoyl]-4-

guanidino-butyl]carbamoyl]-3-methyl-butyl]amino]-1-(hydroxymethyl)-2-oxo-ethyl]amino]-1-methyl-2-oxo-ethyl]amino]-1-[(4-hydroxyphenyl)methyl]-2-oxo-ethyl]amino]-1-[(4-hydroxyphenyl)methyl]-2-oxo-ethyl]carbamoyl]-4-guanidino-butyl]amino]-1-(hydroxymethyl)-2-oxo-ethyl]carbamoyl]-3-methyl-butyl]carbamoyl]-3-carboxy-propyl]carbamoyl]-3-carboxy-propyl]carbamoyl]pyrrolidin-1-yl]-1-(hydroxymethyl)-2-oxo-ethyl]amino]-1-methyl-2-oxo-ethyl]amino]-1-(carboxymethyl)-2-oxo-ethyl]amino]-4-[[2-[[[(2S)-1-[(2S)-2-[[[(2S)-2-[[[(2S)-1-[(2S)-6-amino-2-[[[(2S)-2-[[[(2S)-1-[(2S)-2-amino-3-(4-hydroxyphenyl)propanoyl]pyrrolidine-2-

carbonyl]amino]propanoyl]amino]hexa noyl]pyrrolidine-2-carbonyl]amino]-4- carboxy- butanoyl]amino]propanoyl]pyrrolidine- 2-carbonyl]amino]acetyl]amino]-5-oxo- pentanoic acid

*(4S)-5-[[[(1S)-2-[[[(1S)-2-[[[(1S)-2-[(2S)-2-[[[(1S)-1-[[[(1S)-1-[[[(1S)-1-
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[[[(1S)-2-[[[(1S)-2-[[[(1S)-1-[[[(1S)-3-amino-1-[[[(1S)-1-[[[(1S)-1-[[[(1S, 2R)-
1-[[[(1S)-1-[[[(1S)-4-amino-1-[[[(1S)-1-[[[(1S)-2-amino-1-[(4-
hydroxyphenyl)methyl]-2-oxo-ethyl]carbamoyl]-4-guanidino-
butyl]carbamoyl]-4-oxo-butyl]carbamoyl]-4-guanidino-butyl]carbamoyl]-2-
hydroxy-propyl]carbamoyl]-2-methyl-propyl]carbamoyl]-3-methyl-
butyl]carbamoyl]-3-oxo-propyl]carbamoyl]-3-methyl-butyl]amino]-1-[(4-
hydroxyphenyl)methyl]-2-oxo-ethyl]amino]-1-(1H-imidazol-5-ylmethyl)-2-
oxo-ethyl]carbamoyl]-4-guanidino-butyl]carbamoyl]-3-methyl-butyl]amino]-
1-(hydroxymethyl)-2-oxo-ethyl]amino]-1-methyl-2-oxo-ethyl]amino]-1-[(4-
hydroxyphenyl)methyl]-2-oxo-ethyl]amino]-1-[(4-hydroxyphenyl)methyl]-2-
oxo-ethyl]carbamoyl]-4-guanidino-butyl]amino]-1-(hydroxymethyl)-2-oxo-
ethyl]carbamoyl]-3-methyl-butyl]carbamoyl]-3-carboxy-propyl]carbamoyl]-
3-carboxy-propyl]carbamoyl]pyrrolidin-1-yl]-1-(hydroxymethyl)-2-oxo-
ethyl]amino]-1-methyl-2-oxo-ethyl]amino]-1-(carboxymethyl)-2-oxo-
ethyl]amino]-4-[[[2-[[[(2S)-1-[(2S)-2-[[[(2S)-2-[[[(2S)-1-[(2S)-6-amino-2-
[[[(2S)-2-[[[(2S)-1-[(2S)-2-amino-3-(4-
hydroxyphenyl)propanoyl]pyrrolidine-2-
carbonyl]amino]propanoyl]amino]hexanoyl]pyrrolidine-2-carbonyl]amino]-4-
carboxy-butanoyl]amino]propanoyl]pyrrolidine-2-
carbonyl]amino]acetyl]amino]-5-oxo-pentanoic acid*



产品基本信息

属性	值
化学名称	(4S)-5-[[[(1S)-2-[[[(1S)-2-[[[(1S)-2-[(2S)-2-[[[(1S)-1-[[[(1S)-1-[[[(1S)-1-[[[(1S)-2-[[[(1S)-1-[[[(1S)-2-[[[(1S)-2-[[[(1S)-2-[[[(1S)-2-[[[(1S)-1-[[[(1S)-1-[[[(1S)-2-[[[(1S)-1-[[[(1S)-2-[[[(1S)-2-[[[(1S)-1-[[[(1S)-1-[[[(1S)-2-[[[(1S)-2-[[[(1S)-1-[[[(1S)-1-[[[(1S)-2-[[[(1S)-1-[[[(1S)-1-[[[(1S)-1-[[[(1S)-2-amino-1-[[[(1S)-1-[[[(1S)-1-[[[(1S)-1-[[[(1S)-2-amino-1-[(4-hydroxyphenyl)methyl]-2-oxo-ethyl]carbamoyl]-4-guanidino-butyl]carbamoyl]-4-oxo-butyl]carbamoyl]-4-guanidino-butyl]carbamoyl]-2-hydroxy-propyl]carbamoyl]-2-methyl-propyl]carbamoyl]-3-methyl-butyl]carbamoyl]-3-oxo-propyl]carbamoyl]-3-methyl-butyl]amino]-1-[(4-hydroxyphenyl)methyl]-2-oxo-ethyl]amino]-1-(1H-imidazol-5-ylmethyl)-2-oxo-ethyl]carbamoyl]-4-guanidino-butyl]carbamoyl]-3-methyl-butyl]amino]-1-(hydroxymethyl)-2-oxo-ethyl]amino]-1-methyl-2-oxo-ethyl]amino]-1-[(4-hydroxyphenyl)methyl]-2-oxo-ethyl]amino]-1-[(4-hydroxyphenyl)methyl]-2-oxo-ethyl]carbamoyl]-4-guanidino-butyl]amino]-1-(hydroxymethyl)-2-oxo-ethyl]carbamoyl]-3-methyl-butyl]carbamoyl]-3-carboxy-propyl]carbamoyl]-3-carboxy-propyl]carbamoyl]pyrrolidin-1-yl]-1-

分子量	
纯度	$\geq 96\%$

产品说明

(4S)-5-[[[(1S)-2-[[[(1S)-2-[[[(1S)-2-[(2S)-2-[[[(1S)-1-[[[(1S)-1-[[[(1S)-1-[[[(1S)-2-[[[(1S)-1-[[[(1S)-2-[[[(1S)-2-[[[(1S)-2-[[[(1S)-2-[[[(1S)-1-[[[(1S)-1-[[[(1S)-2-[[[(1S)-2-[[[(1S)-1-[[[(1S)-3-amino-1-[[[(1S)-1-[[[(1S)-1-[[[(1S,2R)-1-[[[(1S)-1-[[[(1S)-4-amino-1-[[[(1S)-1-[[[(1S)-2-amino-1-[(4-hydroxyphenyl)methyl]-2-oxo-ethyl]carbamoyl]-4-guanidino-butyl]carbamoyl]-4-oxo-butyl]carbamoyl]-4-guanidino-butyl]carbamoyl]-2-hydroxy-propyl]carbamoyl]-2-methyl-propyl]carbamoyl]-3-methyl-butyl]carbamoyl]-3-oxo-propyl]carbamoyl]-3-methyl-butyl]amino]-1-[(4-hydroxyphenyl)methyl]-2-oxo-ethyl]amino]-1-(1H-imidazol-5-ylmethyl)-2-oxo-ethyl]carbamoyl]-4-guanidino-butyl]carbamoyl]-3-methyl-butyl]amino]-1-(hydroxymethyl)-2-oxo-ethyl]amino]-1-methyl-2-oxo-ethyl]amino]-1-[(4-hydroxyphenyl)methyl]-2-oxo-ethyl]amino]-1-[(4-hydroxyphenyl)methyl]-2-oxo-ethyl]carbamoyl]-4-guanidino-butyl]amino]-1-(hydroxymethyl)-2-oxo-ethyl]carbamoyl]-3-methyl-butyl]carbamoyl]-3-carboxy-propyl]carbamoyl]-3-carboxy-propyl]carbamoyl]pyrrolidin-1-yl]-1-(hydroxymethyl)-2-oxo-ethyl]amino]-1-methyl-2-oxo-ethyl]amino]-1-(carboxymethyl)-2-oxo-ethyl]amino]-4-[[[2-[[[(2S)-1-[(2S)-2-[[[(2S)-2-[[[(2S)-1-[(2S)-6-amino-2-[[[(2S)-2-[[[(2S)-1-[(2S)-2-amino-3-(4-hydroxyphenyl)propanoyl]pyrrolidine-2-carbonyl]amino]propanoyl]amino]hexanoyl]pyrrolidine-2-carbonyl]amino]-4-carboxy-butanoyl]amino]propanoyl]pyrrolidine-2-carbonyl]amino]acetyl]amino]-5-oxo-pentanoic acid (CAS 号: 81858-94-8) 是一种复杂的大分子多肽化合物, 分子式为 C₁₉₀H₂₈₈N₅₄O₅₇, 纯度不低于 96%。该化合物具有高度特异性的空间结构和丰富的官能团, 包括氨基、羧基、胍基和羟基等, 使其在生物化学领域具有重要价值。

1. 产品概述与化学特性

该化合物是一种由多个氨基酸残基通过肽键连接而成的多肽，分子量较大，结构复杂。其分子中包含多个活性基团，如 4-羟基苯甲基、1H-咪唑-5-甲基和胍基等，赋予其独特的化学性质和生物活性。该产品为白色至类白色粉末，易溶于水或缓冲溶液，但在有机溶剂中溶解度较低。

2. 生物化学功能与重要性

由于其复杂的结构和多样的官能团，该化合物在生物体内可能参与信号传导、酶调控或蛋白质相互作用等关键生物过程。其胍基和羧基的存在使其可能具有金属离子结合能力，而羟基和氨基则可能参与氢键形成，从而影响其与其他生物分子的相互作用。

3. 主要应用领域与具体用途

该产品主要用于生物化学研究和药物开发领域，可作为酶抑制剂研究的工具化合物、蛋白质-蛋白质相互作用研究的探针，或用于新型多肽药物的设计与开发。在基础研究中，它可用于探索复杂多肽的结构-功能关系。

4. 储存条件与使用建议

建议在-20℃下干燥避光保存，避免反复冻融。使用时需用无菌水或适当缓冲液溶解，并根据实验需求调整浓度。溶液状态的产品建议现配现用，或在