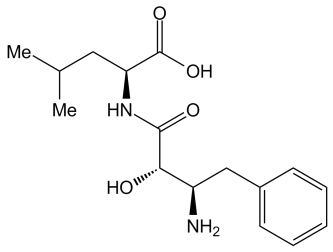
PROTAK™ Bestatin

E31P11780

Catalog Number: E31P11780-1, E31P11780-2
Product Name: PROTAK™ Bestatin
Amount: 5mg, 10mg
CAS No.: 58970-76-6
Name: (2S)-2-[[(2S,3R)-3-amino-2-hydroxy-4-phenylbutanoyl]amino]-4-methylpentanoic acid
Molecular Structure:



Purity: >98.00%
Formula: C16H24N2O4
M.W.: 308.37
Solubility: ⩾12.34mg/mL in DMSO
Storage/Stability: Store at -20° C
Background: benimex(Bestatin) is a specific inhibitor of aminopeptidase B and leucine aminopeptidase. It did not show any inhibition of aminopeptidase A, trypsin, chymotrypsin, elastase, papain, pepsin or thermolysin. Bestatin at 100 pg/ml showed no antibacterial and no antifungal activities. It has low toxicity with no death after intraperitoneal injection of 300 mg/kg to mice1. Bestatin isolated from the culture filtrate of Streptomyces olivoreticuli MD976-C72. The structure of bestatin was elucidated to be (2S, 3R)-3-amino-2-hydroxy-4- phenylbutanoyll-(S)-leucine3, 4. Bestatin itself was not hydrolyzed by either of the enzymes, when bestatin was incubated as substrate, L-leucine was not detected by thin-layer chromatography.

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