

MeOSuc-Ala-Ala-Pro-Val-AMC biochemical

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CATALOG #
AAA227402

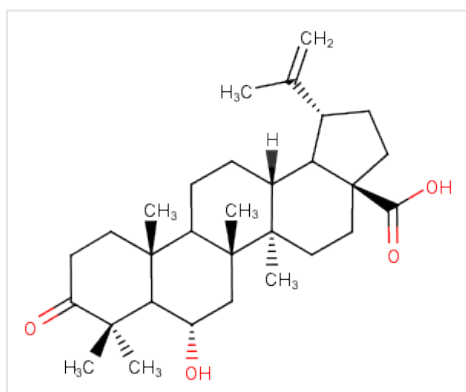
PRODUCT SYNONYMS

MeOSuc-Ala-Ala-Pro-Val-AMC; MeOSuc-Ala-Ala-Pro-Val-AMC biochemical

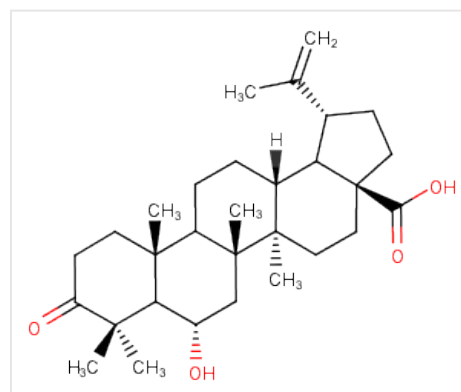
PRODUCT SPECIFICATIONS

Purity/Purification	98%
SMILES	<chem>COC(=O)CCC(=O)N[C@@H](C)C(=O)N[C@@H](C)C(=O)N1CCC[C@H]1C(=O)N[C@@H](C(C)C)C(=O)Nc1ccc2c(C)cc(=O)oc2c1</chem>
Formula	C31H41N5O9
CAS	72252-90-5
Solubility	DMSO: 16 mg/mL DMF: 20 mg/mL DMF:PBS(pH 7.21:1): 0.5 mg/mL <1mg/ml refers to the product slightly soluble or insoluble
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
6-Hydroxy-3-oxo-20(29)-lupen-28-oic acid, CAS 106327-33-7



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ADDITIONAL INFORMATION

Related Product Information for MeOSuc-Ala-Ala-Pro-Val-AMC biochemical

MeOSuc-Ala-Ala-Pro-Val-AMC (MeOSuc-AAPV-AMC) is a fluorogenic substrate for human leukocyte and porcine pancreatic elastase. The methoxy succinyl (MeO-Suc) peptide AAPV is avidly hydrolyzed by these elastases but not by cathepsin G. The addition of 7-amino-4-methylcoumarin (AMC) generates a peptide of low fluorescence (excitation: 355-380 nm; emission 440-460 nm) that demonstrates a linear increase in fluorescence in the presence of elastase. This peptidyl-AMC substrate detects as little as 11 pM human leukocyte elastase and 18 pM porcine pancreatic elastase.

NCBI AND UNIPROT INFORMATION

Molecular Weight	470.694
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/biochemical/meosuc-ala-ala-pro-val-amc/227402>