

Ac-YVAD-CMK biochemical

Ac-YVAD-CMK

CATALOG #
AAA227142

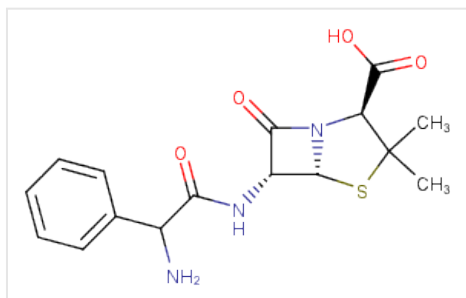
PRODUCT SYNONYMS

Ac-YVAD-CMK; Ampicillin; L-Ampicillin; Ac-YVAD-CMK biochemical

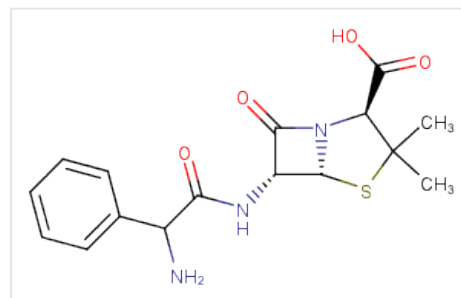
PRODUCT SPECIFICATIONS

Purity/Purification	97.08%
SMILES	[C@H](CC1=CC=C(O)C=C1C(N[C@H](C(N[C@H](C(N[C@H](C(CCl)=O)CC(O)=O)=O)C)=O)C(C)C)=O)NC(C)=O
Formula	C ₂₄ H ₃₃ ClN ₄ O ₈
CAS	178603-78-6
Solubility	DMSO: 90 mg/mL (166.4 mM), Need ultrasonic DMF: 10 mg/mL <1mg/ml refers to the product slightly soluble or insoluble
In vitro	In SD rats, Ac-YVAD-cmk treatment (1 ug; injection into the left lateral ventricle) significantly decreases the protein levels of caspase-1 and mature IL-1beta/IL-18 compared with the ICH group[3]. Ac-YVAD-cmk (12.5 umol/kg) significantly reduces mortality from 83 to 33% in rats[4].
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
L-(+)-Ampicillin, CAS 19379-33-0



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ADDITIONAL INFORMATION

Related Product Information for Ac-YVAD-CMK biochemical	Ac-YVAD-CMK is a selective and irreversible inhibitor of Caspase-1 and inhibits pyroptosis, IL-1beta and IL-18. Ac-YVAD-CMK shows neuroprotective and anti-inflammatory capacity.
Product Categories/Family for Ac-YVAD-CMK biochemical	IL Receptor; Caspase; Immunology/Inflammation related; Pyroptosis

References

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3. Yahia HB, Chairat S, Hamdi N, Gharsa H, Sallem RB, Ceballos S, Torres C, Slama KB. Antimicrobial resistance and genetic lineages of faecal enterococci of wild birds: Emergence of vanA and vanB2 harboring Enterococcus faecalis. Int J Antimicrob Agents. 2018 May 14. pii: S0924-8579(18)30136-5. doi: 10.1016/j.ijantimicag.2018.05.005. [Epub ahead of print] PubMed PMID: 29772394. href="javascript:void(0)" >

4. Skowron K, Grudlewska K, Gry? G, Skowron KJ, ?wieca A, Paluszak Z, Zimek Z, Rafalski A, Gospodarek-Komkowska E. Effect of electron beam and gamma radiation on drug-susceptible and drug-resitant listeria monocytogenes strains in salmon under different temperature. J Appl Microbiol. 2018 May 4. doi: 10.1111/jam.13902. [Epub ahead of print] PubMed PMID: 29727511.

NCBI AND UNIPROT INFORMATION

Molecular Weight	349.41
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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://stage.aaabiotech.com/biochemical/ac-yvad-cmk/227142>