

Ac-YVAD-CMK biochemical

Ac-YVAD-CMK

CATALOG #
AAA227142

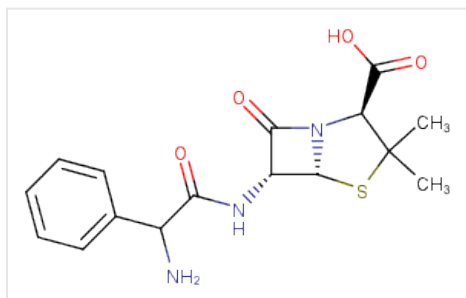
PRODUCT SYNONYMS

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

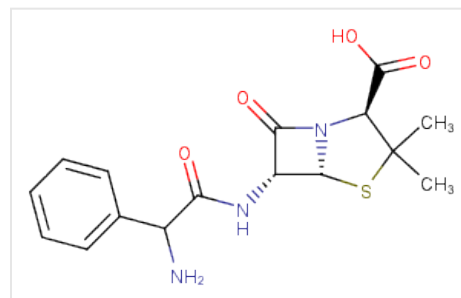
PRODUCT SPECIFICATIONS

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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1. Wang J, Wei X, Fan M. Assessment of Antibiotic Susceptibility within Lactic Acid Bacteria and Coagulase-Negative Staphylococci Isolated from Hunan Smoked Pork, a Naturally Fermented Meat Product in China. *J Food Sci.* 2018 May 22. doi: 10.1111/1750-3841.14147. [Epub ahead of print] PubMed PMID: 29786847. href="javascript:void(0)" >
2. Liu M, Yuan J, Hu WJ, Ke CQ, Zhang YF, Ye Y, Zhong DF, Zhao GR, Yao S, Liu J. Pretreatment with broad-spectrum antibiotics alters the pharmacokinetics of major constituents of Shaoyao-Gancao decoction in rats after oral administration. *Acta Pharmacol Sin.* 2018 May 17. doi: 10.1038/s41401-018-0011-0. [Epub ahead of print] PubMed PMID: 29773886. href="javascript:void(0)" >
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

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/biochemical/ac-yvad-cmk/227142>