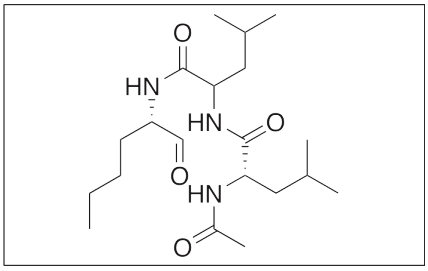
LKT Laboratories, Inc.

ALLN

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID A4646
CAS No. 110044-82-1
Chemical Name



Synonym Calpain inhibitor 1, Ac-LLnL-CHO, MG-101, N-Acetyl-Leu-Leu-Norleu-al, N-Acetyl-L-leucyl-L-leucyl-L-norleucinal

Formula $C_{20}H_{37}N_3O_4$
Formula Wt. 383.53
Melting Point 267.52°C (Predicted)
Purity ≥98%
Solubility Soluble in DMSO (10 mg/ml), ethanol (5 mg/ml), methanol, and DMSO. Insoluble in water, and aqueous buffers.

Pricing and Availability

Bulk quanitites available upon request

Product ID	Size	List Price
A4646	5 mg	$100.40
A4646	25 mg	$367.90

Store Temp -20°C
Ship Temp Ambient
Description ALLN is a tetrapeptide that inhibits proteases such as calpain I and II. ALLN also stimulates autophagy in vitro and suppresses IκB proteolysis. ALLN exhibits anticancer chemotherapeutic and chemopreventive potential, inducing apoptosis in colon cancer cells and inhibiting tumor formation in vivo.

References

Kaneko Y, Murphy CR, Day ML. Calpain 2 activity increases at the time of implantation in rat uterine luminal epithelial cells and administration of calpain inhibitor significantly reduces implantation sites. Histochem Cell Biol. 2014 Apr;141(4):423-30. PMID: 24271063.

Chatterjee C, Sparks DL. Hepatic Lipase Release is Inhibited by a Purinergic Induction of Autophagy. Cell Physiol Biochem. 2014 Mar 28;33(4):883-894. PMID: 24713587.

Ariyadi B, Isobe N, Yoshimura Y. Toll-like receptor signaling for the induction of mucin expression by lipopolysaccharide in the hen vagina. Poult Sci. 2014 Mar;93(3):673-9. PMID: 24604861.

Li SZ, Zhang HH, Zhang JN, et al. ALLN hinders HCT116 tumor growth through Bax-dependent apoptosis. Biochem Biophys Res Commun. 2013 Jul 26;437(2):325-30. PMID: 23831472.