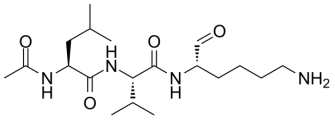
Ac-Leu-Val-Lys-Aldehyde

Cat. No.:	HY-P4532
CAS No.:	147600-40-6
Molecular Formula:	$C_{19}H_{36}N_4O_4$
Molecular Weight:	384.51
Sequence:	Ac-Leu-Val-{Lys-Aldehyde}
Sequence Shortening:	Ac-LV-{Lys-Aldehyde}
Target:	Cathepsin
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Ac-Leu-Val-Lys-Aldehyde is a potent cathepsin B inhibitor with IC_{50}s of 4 nM. Ac-Leu-Val-Lys-Aldehyde significantly reduces quinolinic acid (HY-100807)-induced striatal cell death and causes accumulation of LC3-II[1].
IC_{50} & Target	Cathepsin B 4 nM (IC_{50})

REFERENCES

[1]. McConnell RM, et al. Inhibition studies of some serine and thiol proteinases by new leupeptin analogues. J Med Chem. 1993 Apr 16;36(8):1084-9.

[2]. Wang YR, et al. Cathepsin L plays a role in quinolinic acid-induced NF-Kb activation and excitotoxicity in rat striatal neurons. PLoS One. 2013 Sep 20;8(9):e75702.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA