LKT Laboratories, Inc.

E64-d

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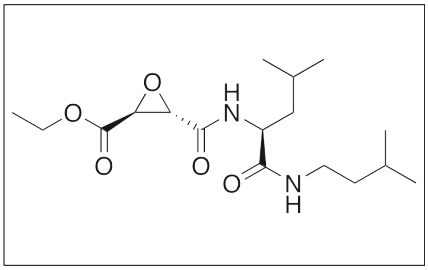
Product Information

Product ID E0003
CAS No. 88321-09-9
Chemical Name

Synonym Aloxistatin



Formula $C_{17}H_{30}N_2O_5$
Formula Wt. 342.43
Melting Point
Purity ≥97%
Solubility Soluble in ethanol (>10 mg/ml), DMSO (20 mg/ml), DMF (30 mg/ml), and 1:1 DMSO:PBS (pH 7.2) (~0.5 mg/ml). Insoluble in water.

Store Temp -20˚C
Ship Temp Ambient

Pricing and Availability

Bulk quanitites available upon request

Product ID	Size	List Price
E0003	1 mg	$66.90
E0003	5 mg	$267.50

Description E64d is an inhibitor of cathepsins that exhibits neuroprotective activity. In vivo, E64d inhibits cathepsin D, decreasing brain amyloid-ß (Aß) plaque formation. E64d inhibition of cathepsins also aggravates left ventricular dysfunction in animal models of myocardial infarction.

References

Hook G, Yu J, Toneff T, et al. Brain Pyroglutamate Amyloid-Beta is Produced by Cathepsin B and is Reduced by the Cysteine Protease Inhibitor E64d, Representing a Potential Alzheimer's Disease Therapeutic. J Alzheimers Dis. 2014 Mar 4. [Epub ahead of print]. PMID: 24595198.

Chen H, Wang J, Xiang MX, et al. Cathepsin S-mediated fibroblast trans-differentiation contributes to left ventricular remodelling after myocardial infarction. Cardiovasc Res. 2013 Oct 1;100(1):84-94. PMID: 23771947.