



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

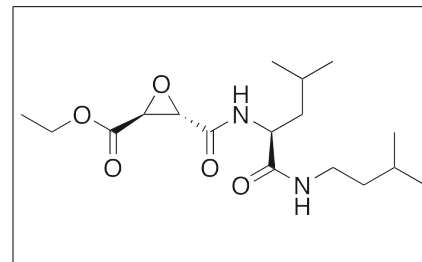
Purity $\geq 97\%$

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

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



Bulk quantities available upon request

Product ID	Size
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E0003	1 mg
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E0003	5 mg
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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.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.