



LKT Laboratories, Inc.

LY-450139

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Product Information

Product ID L9701

CAS No. 425386-60-3

Chemical Name

Synonym Semagacestat; LY450139; LY 450139

Formula $C_{19}H_{27}N_3O_4$

Formula Wt. 361.44

Melting Point

Purity $\geq 98\%$

Solubility DMSO 72 mg/mL (199.2 mM)

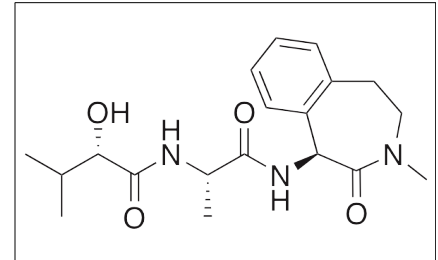
Ethanol 41 mg/mL (113.43 mM)

Water Insoluble

Store Temp $-20^{\circ}C$

Ship Temp Ambient

Description LY-450139 is a γ -secretase inhibitor that suppresses Notch signaling and exhibits neuroprotective activity. LY-450139 displays mixed results in clinical trials as a potential treatment for Alzheimer's disease. This compound also increases glutamate in the prefrontal cortex when administered chronically and activates growth hormone secretagogue receptor GHS-R1a.



Bulk quantities available upon request

Product ID	Size
L9701	1 mg
L9701	5 mg
L9701	25 mg
L9701	50 mg

References Beggiato S, Giuliani A, Sivilia S, et al. CHF5074 and LY450139 sub-acute treatments differently affect cortical extracellular glutamate levels in pre-plaque Tg2576 mice. *Neuroscience*. 2014 Apr 25;266:13-22. PMID: 24530449.

Doody RS, Raman R, Farlow M, et al. A phase 3 trial of semagacestat for treatment of Alzheimer's disease. *N Engl J Med*. 2013 Jul 25;369(4):341-50. PMID: 23883379.

Schellekens H, McNamara O, Dinan TG, et al. Semagacestat, a γ -secretase inhibitor, activates the growth hormone secretagogue (GHS-R1a) receptor. *J Pharm Pharmacol*. 2013 Apr;65(4):528-38. PMID: 23488781.

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