



LKT Laboratories, Inc.

LX-2343

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Product Information

Product ID L920000

CAS No. 333745-53-2

Chemical Name

Synonym LX2343

Formula C₂₂H₁₉ClN₂O₆S

Formula Wt. 474.91

Melting Point

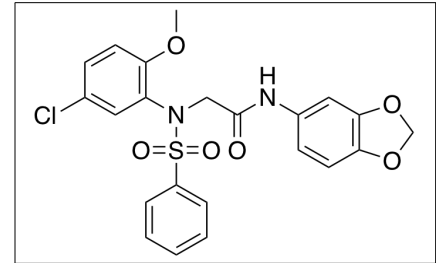
Purity ≥98%

Solubility

Store Temp -20° C

Ship Temp Ambient

Description LX-2343 improves cognitive dysfunction in APP/PS1 transgenic mice through the inhibition of AB accumulation and the promotion of AB clearance. This anti-amyloid effect shows LX-2343's potential as a therapy for Alzheimer's disease. LX-2343 reduces neuronal apoptosis by alleviating oxidative stress and inhibiting JNK/p38 and pro-apoptotic pathways. It also shows activity as a non-ATP competitive GSK-3B inhibitor.



Bulk quantities available upon request

Product ID	Size
L920000	5 mg
L920000	25 mg
L920000	100 mg

References Guo X., Sun G., et al. Small molecule LX2343 ameliorates cognitive deficits in AD model mice by targeting both amyloid B production and clearance. *Acta Pharmacol Sin.* 37(10):1281-1297 (2016). PMID:27569389.

Guo X., Sung G., et al. LX2343 alleviates cognitive impairments in AD model rats by inhibiting oxidative stress-induced neuronal apoptosis and tauopathy. *Acta Pharmacol Sin.* 38(8):1104-1119 (2017). PMID:28649128.

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