



LKT Laboratories, Inc.

Rasagiline Mesylate

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Product Information

Product ID R0272

CAS No. 161735-79-1

Chemical Name (R)-N-2-Propynyl-1-indanamine mesylate

Synonym

Formula C₁₂H₁₃N • CH₃SO₃H

Formula Wt. 267.34

Melting Point 154.1-155.5 °C

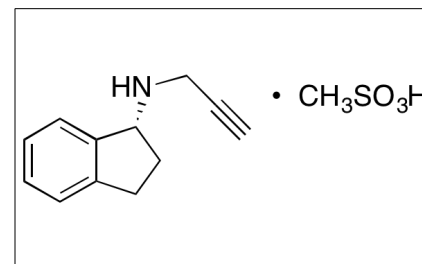
Purity ≥98%

Solubility Freely soluble in water,
methanol and ethanol.

Store Temp Ambient

Ship Temp Ambient

Description Rasagiline is an inhibitor of monoamine oxidase B (MAO-B) that is used to treat Parkinson's disease. Rasagiline may also exhibit effects on MAO-A, as actions on that enzyme are likely responsible for the ability of rasagiline to increase levels of Bcl-2, glial cell line-derived neurotrophic factor (GDNF), and brain-derived neurotrophic factor (BDNF). Rasagiline also displays neuroprotective activity, inhibiting mitochondrial membrane permeability, preventing caspase- and mitochondria-mediated apoptosis.



Bulk quantities available upon request

Product ID	Size
R0272	25 mg
R0272	100 mg
R0272	250 mg

References Naoi M, Maruyama W, Inaba-Hasegawa K. Revelation in the neuroprotective functions of rasagiline and selegiline: the induction of distinct genes by different mechanisms. *Expert Rev Neurother.* 2013 Jun;13(6):671-84. PMID: 23739004.

Naoi M, Maruyama W, Yi H. Rasagiline prevents apoptosis induced by PK11195, a ligand of the outer membrane translocator protein (18 kDa), in SH-SY5Y cells through suppression of cytochrome c release from mitochondria. *J Neural Transm.* 2013 Nov;120(11):1539-51. PMID: 23681678.

Inaba-Hasegawa K, Akao Y, Maruyama W, et al. Type A monoamine oxidase is associated with induction of neuroprotective Bcl-2 by rasagiline, an inhibitor of type B monoamine oxidase. *J Neural Transm.* 2012 Apr;119(4):405-14. PMID: 22065207.

Weinreb O, Amit T, Bar-Am O, et al. Induction of neurotrophic factors GDNF and BDNF associated with the mechanism of neurorescue action of rasagiline and ladostigil: new insights and implications for therapy. *Ann N Y Acad Sci.* 2007 Dec;1122:155-68. PMID: 18077571.

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