



LKT Laboratories, Inc.

J-147

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## Product Information

Product ID J0001

CAS No. 1146963-51-0

Chemical Name

Synonym J147

Formula  $C_{18}H_{17}F_3N_2O_2$

Formula Wt. 350.34

Melting Point

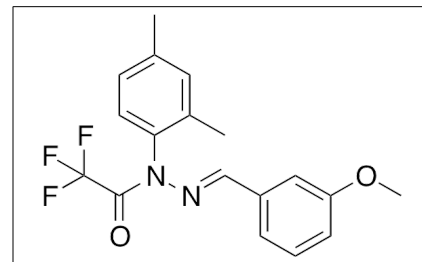
Purity  $\geq 98\%$

Solubility 100mM in DMSO and ethanol

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

Ship Temp Ambient

**Description** J-147 is a phenyl hydrazide that exhibits neuroprotective and cognition enhancing activities. In vitro, this compound decreases neuronal loss, oxidative stress, and glutamate-induced neurotoxicity. J-147 also ameliorates memory impairment in animal models of Alzheimer's disease.



**Bulk quantities available upon request**

Product ID	Size
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J0001	5 mg
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J0001	25 mg
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J0001	100 mg
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**References** Chen HY, Xu DP, Tan GL, et al. A Potent Multi-functional Neuroprotective Derivative of Tetramethylpyrazine. J Mol Neurosci. 2015 May 17. [Epub ahead of print]. PMID: 25982925.

Prior M, Dargusch R, Ehren JL, et al. The neurotrophic compound J147 reverses cognitive impairment in aged Alzheimer's disease mice. Alzheimers Res Ther. 2013 May 14;5(3):25. PMID: 23673233.

Chiruta C, Zhao Y, Tang F, et al. Metabolism of a potent neuroprotective hydrazide. Bioorg Med Chem. 2013 May 15;21(10):2733-41. PMID: 23582448.

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