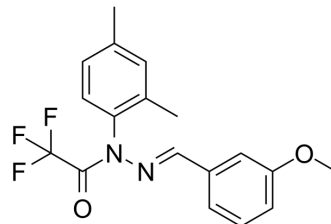


## J147

Cat. No.:	HY-13779A
CAS No.:	1807913-16-1
Molecular Formula:	C <sub>18</sub> H <sub>17</sub> F <sub>3</sub> N <sub>2</sub> O <sub>2</sub>
Molecular Weight:	350.33
Target:	Monoamine Oxidase; Dopamine Transporter
Pathway:	Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

J147 is an exceptionally potent, orally active, neuroprotective agent for cognitive enhancement. J147 can pass the blood brain barrier (BBB). J147 can inhibit monoamine oxidase B (MAO B) and the dopamine transporter. J147 plays an important role in Alzheimer's disease (AD)<sup>[1]</sup>.

### REFERENCES

[1]. Kyoungdo Kim, et al. Dicyanovinyl-substituted J147 analogue inhibits oligomerization and fibrillation of  $\beta$ -amyloid peptides and protects neuronal cells from  $\beta$ -amyloid-induced cytotoxicity. *Org Biomol Chem*. 2015 Oct 7;13(37):9564-9.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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