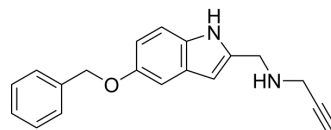


## PF9601N

Cat. No.:	HY-120419		
CAS No.:	133845-63-3		
Molecular Formula:	C <sub>19</sub> H <sub>18</sub> N <sub>2</sub> O		
Molecular Weight:	290.36		
Target:	Monoamine Oxidase		
Pathway:	Neuronal Signaling		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 125 mg/mL (430.50 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	3.4440 mL	17.2200 mL	34.4400 mL
5 mM	0.6888 mL	3.4440 mL	6.8880 mL
10 mM	0.3444 mL	1.7220 mL	3.4440 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

PF9601N, an monoamine oxidase B (MAO-B) inhibitor, possesses neuroprotective properties in several in vitro and in vivo models of Parkinson's disease (PD). PF9601N can be used for the research of neurodegenerative diseases mediated by excitotoxicity<sup>[1]</sup>. PF9601N is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.

### REFERENCES

[1]. Irene Bolea, et al. Neuroprotective effects of the MAO-B inhibitor, PF9601N, in an in vivo model of excitotoxicity. *CNS Neurosci Ther.* 2014 Jul;20(7):641-50.

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

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