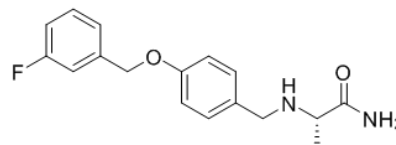


Product Name : Safinamide
Cat. No. : PC-45946
CAS No. : 133865-89-1
Molecular Formula : C₁₇H₁₉FN₂O₂
Molecular Weight : 302.3434
Target : Monoamine Oxidase (MAO)
Solubility : 10 mM in DMSO



Biological Activity

Safinamide (EMD1195686, FCE 26743) is a potent and selective inhibitor of monoamine oxidase B (**MAO-B**) with IC₅₀ of 98 nM.

Safinamide displays >5,000-fold selectivity over MAO-A.

Safinamide also inhibits glutamate release and dopamine reuptake, inhibits voltage-dependent Na⁺ and Ca²⁺ channels.

Safinamide is used for treatment of Parkinson's disease.

References

Leonetti F, et al. *J Med Chem*. 2007 Oct 4;50(20):4909-16.

Strolin Benedetti MS, et al. *J Pharm Pharmacol*. 1994 Oct;46(10):814-9.

Caccia C, et al. *Neurology*. 2006 Oct 10;67(7 Suppl 2):S18-23.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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