Inhibitors, Agonists, Screening Libraries
www.MedChemExpress.com

Data Sheet

Product Name: Safinamide
Cat. No.: HY-70057
CAS No.: 133865-89-1
Molecular Formula: C_{17}H_{19}FN_{2}O_{2}
Molecular Weight: 302.34
Target: Monoamine Oxidase
Pathway: Neuronal Signaling
Solubility: 10 mM in DMSO

BIOLOGICAL ACTIVITY:
Safinamide (EMD 1195686; FCE 26743) selectively and reversibly inhibits MAO-B with IC50 of 98 nM, exhibits 5918-fold selectivity against MAO-A.
IC50 value: 98 nM [1]
Target: MAO-B
Safinamide (EMD 1195686; FCE 26743; ) is a highly selective and reversible monoamine oxidase type B (MAO-B) inhibitor that increases neostriatal dopamine concentration. In addition, Safinamide (EMD 1195686; FCE 26743; ) is voltage-dependent sodium and calcium channel blocker. Safinamide (EMD 1195686; FCE 26743; ) appears to bind to the batrachotoxin-sensitive site 2 of the voltage-sensitive sodium channels. Safinamide blocks N and L-type calcium channels and inhibits glutamate and aspartate release from synaptic terminals.

References:

Caution: Product has not been fully validated for medical applications. For research use only.
Tel: 609-228-6898    Fax: 609-228-5909    E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA

www.MedChemExpress.com