

Product Name	: hMAO-B-IN-4
Synonyms	: —
Cat No.	: M35968
CAS Number	: 1666119-75-0
Molecular Formula	: C ₂₀ H ₁₆ O ₂ S
Formula Weight	: 320.4
Chemical Name	: —
Description	: hMAO-B-IN-4 (compound B10) is a selective, reversible and blood–brain barrier (BBB) penetrable human monoamine oxidase-B (hMAO-B) inhibitor with an IC ₅₀ value and a K _i value of 0.067 and 0.03 μM, respectively. hMAO-B-IN-4 inhibits hMAO-A with an IC ₅₀ value of 33.82 μM. hMAO-B-IN-4 can be used for Alzheimer's disease (AD) and Parkinson's disease (PD) research.
Pathway	: Metabolic Enzyme/Protease
Target	: MAO
Receptor	: MAO
Solubility	: In Vitro: ?DMSO : 50 mg/mL (156.05 mM; Ultrasonic)
SMILES	: <chem>O=C(\C=C\c1ccc(OCc2ccccc2)cc1)c1cccs1</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Sudevan ST, et al. Introduction of benzyloxy pharmacophore into aryl/heteroaryl chalcone motifs as a new class of monoamine oxidase B inhibitors. Sci Rep. 2022 Dec 27;12(1):22404.?