5-HT6/7 antagonist 1

Cat. No.: HY-101622
CAS No.: 131999-28-5
Molecular Formula: C₂₂H₂₀FN₃O₃
Molecular Weight: 393.41
Target: 5-HT Receptor; Dopamine Receptor
Pathway: GPCR/G Protein; Neuronal Signaling
Storage: Please store the product under the recommended conditions in the COA.

BIOLOGICAL ACTIVITY

Description
5-HT6/7 antagonist 1 is a multifunctional ligand that antagonizes 5-HT6/7/2A and D2 receptors, without interacting with M1 receptors and hERG channels.

IC₅₀ & Target
5-HT6/7/2A, D2[1]

In Vitro
Targeting 5-HT6 and/ or 5-HT7 receptors with antagonist drugs could constitute a promising strategy for treating symptoms of BPSD while avoiding some of the side effects of current antipsychotic drugs. Nevertheless, due to the complex pathology of dementia and accompanying behavioral and psychological symptoms, it seems unlikely that focusing on a single therapeutic target would be sufficient to provide adequate clinical benefit, and it is likely that successful development of novel anti-BPSD agents should involve a “designed” multifactorial approach[1].

REFERENCES