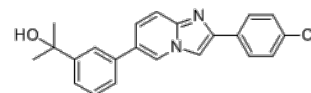


Product Name : SA00025
Cat. No. : PC-20772
CAS No. : 1015231-98-7
Molecular Formula : C₂₂H₁₉ClN₂O
Molecular Weight : 362.86
Target : NURR1 (NR4A2)
Solubility : 10 mM in DMSO



CAS: 1015231-98-7

Biological Activity

SA00025 is a potent, specific and brain penetrant agonist of Nurr1 (NR4A2) with EC₅₀ of 2.5 nM in HEK293 cells transfected with full length human Nurr1.

SA00025 does not activate panel of 40 other nuclear receptors, including RXR.

SA00025 (30mg/kg for 7 days, oral gavage) modulated the transcription of dopaminergic target genes in brain of naive rats, induced a transcriptional upregulation of Nurr1, TH and VMAT.

SA00025 caused neuroprotection in the 6-OHDA lesion model primed with the TLR3 dsRNA inflammatory stimulant (poly(I:C)).

SA00025 displayed anti-inflammatory activity in the 6-OHDA lesion model primed with the TLR3 dsRNA inflammatory stimulant (poly(I:C)).

References

Gaynor A Smith, et al. PLoS One. 2015 Mar 27;10(3):e0121072.

Patent WO2008034974A1.

Lesuisse D, et al. Bioorg Med Chem Lett. 2019 Apr 1;29(7):929-932.

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

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