

Product Datasheet

Nurr1 agonist 12 (orb3028936)

Catalog Number	orb3028936
Category	Small Molecules
Description	Nurr1 agonist 12 (Compound 37) acts as an agonist of the nuclear receptor-related protein 1 (Nurr1), enhancing its transcriptional activity with an EC50 of 0.06 μ M. It stimulates human response elements NBRE, NurRE, and DR5 with EC50 values of 0.07 μ M, 0.027 μ M, and 0.014 μ M, respectively. Additionally, Nurr1 agonist 12 induces the expression of neurotrophic genes regulated by Nurr1, such as tyrosine hydroxylase (TH), SOD1/2, BDNF, Sestrin 3, and BIRC5 (Survivin). The compound also demonstrates neuroprotective effects against neurotoxicity caused by Paraquat.
Target	NR4A
MW	321.76
Formula	C ₁₈ H ₁₂ ClN ₃ O
SMILES	<chem>O=C(C1=C(Cl)C=C(C=CN2)C2=C1)NC3=CC4=CC=CC=C4N=C3</chem>
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

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