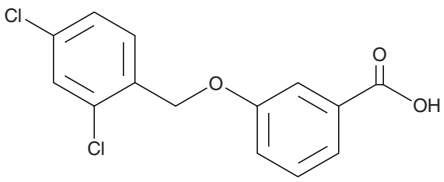
PRODUCT INFORMATION

Nurr1 Agonist 8

Item No. 46488

CAS Registry No.:	360778-55-8
Formal Name:	3-[(2,4-dichlorophenyl)methoxy]-benzoic acid
MF:	$C_{14}H_{10}Cl_2O_3$
FW:	297.1
Purity:	≥98%
Supplied as:	A solid
Storage:	-20°C
Stability:	≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Nurr1 agonist 8 is supplied as a solid. A stock solution may be made by dissolving the Nurr1 agonist 8 in the solvent of choice, which should be purged with an inert gas. Nurr1 agonist 8 is sparingly soluble (1-10 mg/ml) in ethanol and DMSO.

Description

Nurr1 agonist 8 is an agonist of nerve growth factor IB-like receptors, also known as nuclear receptor subfamily 4 (NR4A) receptors.[1] It activates Nurr1 in reporter assays using HEK293T cells expressing Nurr1 and containing one of three response elements: NBRE, NurRE, or DR5 (EC_{50}s = 43, 22, and 21 nM, respectively). Nurr1 agonist 8 also activates nerve growth factor IB (NR4A1/Nur77) and neuron-derived orphan receptor 1 (NR4A3/NOR-1) in reporter assays using HEK293T cells expressing the Nur77 or NOR-1 ligand-binding domain (EC_{50}s = 0.04 and 0.15 µM, respectively).

Reference

1. Stiller, T. and Merk, D. Exploring fatty acid mimetics as NR4A ligands. *J. Med. Chem.* **66(22),** 15362-15369 (2023).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

WARRANTY AND LIMITATION OF REMEDY
Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

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