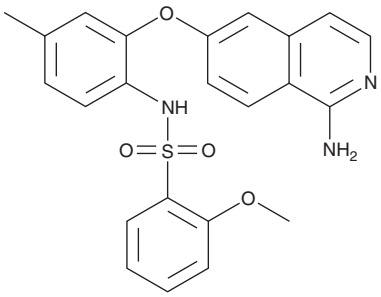
PRODUCT INFORMATION

MRGPRX1 Agonist 1

Item No. 46717

CAS Registry No.:	2377379-39-8
Formal Name:	N-[2-[(1-amino-6-isoquinolinyl)oxy]-4-methylphenyl]-2-methoxy-benzenesulfonamide
Synonym:	MAS G Protein-coupled Receptor Family Member X1 Agonist 1
MF:	$C_{23}H_{21}N_3O_4S$
FW:	435.5
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

MRGPRX1 agonist 1 is supplied as a solid. A stock solution may be made by dissolving the MRGPRX1 agonist 1 in the solvent of choice, which should be purged with an inert gas. MRGPRX1 agonist 1 is soluble (≥10 mg/ml) in DMSO.

Description

MRGPRX1 agonist 1 is an agonist of MAS G protein-coupled receptor family member X1 (MRGPRX1).[1] It induces calcium mobilization in HEK293 cells expressing human MRGPRX1 (EC_{50} = 50 nM). It is greater than 50-fold selective for MRGPRX1 over the δ-, μ-, and κ-opioid receptors and inactive at MRGPRC11 at 40 μM.

Reference

1. Prchalová, E., Hin, N., Thomas, A.G., *et al.* Discovery of benzamidine- and 1-aminoisoquinoline-based human MAS-related G-protein-coupled receptor X1 (MRGPRX1) agonists. *J. Med. Chem.* **62(18),** 8631-8641 (2019).

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.

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