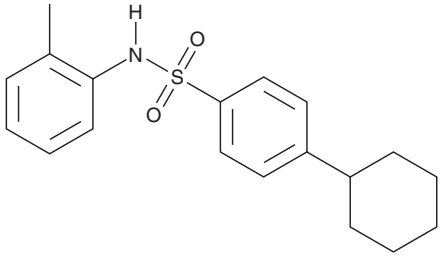
PRODUCT INFORMATION

LP-471756

Item No. 46415

CAS Registry No.:	413605-11-5
Formal Name:	4-cyclohexyl-N-(2-methylphenyl)-benzenesulfonamide
MF:	$C_{19}H_{23}NO_2S$
FW:	329.5
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

LP-471756 is supplied as a solid. A stock solution may be made by dissolving the LP-471756 in the solvent of choice, which should be purged with an inert gas. LP-471756 is sparingly soluble (1-10 mg/ml) in ethanol and DMSO.

Description

LP-471756 is an antagonist of G protein-coupled receptor 139 (GPR139), which is expressed in the brain in humans.[1] It inhibits GPR139 agonist-induced cAMP production in GPR139-expressing HEK293F cells (IC_{50} = 640 nM). LP-471756 inhibits calcium signaling in GPR139-expressing CHO cells (IC_{50} = 2,933 nM) but also fully inhibits calcium mobilization in M_1 muscarinic acetylcholine receptor-expressing CHO cells at 100 µM.[2]

References

1. Hu, L.A., Tang, P.M., Eslahi, N.K., *et al*. Identification of surrogate agonists and antagonists for orphan G-protein-coupled receptor GPR139. *J. Biomol. Screen.* **14(7)**, 789-797 (2009).
2. Pallareti, L., Rath, T.F., Trapkov, B., *et al*. Pharmacological characterization of novel small molecule agonists and antagonists for the orphan receptor GPR139. *Eur. J. Pharmacol.* **943**, 175553 (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
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CAYMAN CHEMICAL
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
PHONE: [800] 364-9897
[734] 971-3335
FAX: [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.**CAYMANCHEM**.COM