



GSK137647A

Cat. No.:	OB0225WX-2264
Appearance:	Solid
Purity:	≥99%
Identity:	Confirmed by NMR, and LC-MS.
Size:	2 mg; 5 mg; 10 mg; 25 mg; 50 mg; 100 mg; 200 mg; 500 mg

This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	GSK137647A is a specialized small molecule characterized by its selective agonistic activity toward the free fatty acid receptor 4 (FFA4).
Synonym	GSK 137647; 349085-82-1; 4-methoxy- <i>N</i> -(2,4,6-trimethylphenyl)benzenesulfonamide; <i>N</i> -mesityl-4-methoxybenzenesulfonamide; GSK-137647A; 4-methoxy- <i>N</i> -(2,4,6-trimethylphenyl)-benzenesulfonamide; 4-methoxy- <i>N</i> -(2,4,6-trimethylphenyl)benzene-1-sulfonamide; GSK 137647; MFCD02007969
CAS No.	349085-82-1
Compound CID	743974
Formula	C ₁₆ H ₁₉ NO ₃ S
Formula Weight	305.39

Specification

Relative Density	1.214 g/cm ³
IUPAC Name	4-Methoxy- <i>N</i> -(2,4,6-trimethylphenyl)benzenesulfonamide
InChI	InChI=1S/C16H19NO3S/c1-11-9-12(2)16(13(3)10-11)17-21(18,19)15-7-5-14(20-4)6-8-15/h5-10,17H,1-4H3
InChI Key	FQUAFMNPXPXOJE-UHFFFAOYSA-N
SMILES string	CC1=CC(=C(C(=C1)C)NS(=O)(=O)C2=CC=C(C(=C2)OC)C
Stability	3 years in powder form.
Storage	Storage at -20°C.



Applications

GSK137647A is used in physiological studies as a potent and selective free fatty acid receptor 4 (FFA4/GPR120) agonist to examine the modulation of metabolic and inflammatory responses in various tissue models.

Library Information

Target	GPR
Receptor	GPR120
Pathways	Endocrinology/Hormones; GPCR/G protein signaling
Plate Number	AOCL-29
Plate Location	h11
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10mM DMSO
DMSO Max Solubility	50 mg/mL; 163.73 mM
Water Max Solubility	<0.06 mg/mL (insoluble or slightly soluble)