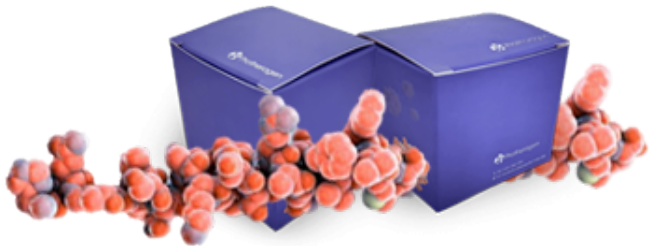
Protheragen Obesity



MF-438

Cat. No.:	OB0225LY-0230
Appearance:	Solid
Purity:	≥99%
Identity:	Confirmed by NMR, HPLC, and LC-MS.
Size:	1 mg; 2 mg; 5 mg; 10 mg; 25 mg; 50 mg; 100 mg; 500 mg

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

Product Overview

Description	MF-438 is an effective stearoyl-CoA desaturase 1 (SCD1) inhibitor that regulates various cellular physiological processes.
Synonym	921605-87-0; 2-Methyl-5-(6-(4-(2-(trifluoromethyl)phenoxy)piperidin-1-yl)pyridaz in-3-yl)-1,3,4-thiadiazole; 3-(5-Methyl-1,3,4-thiadiazol-2-yl)-6-[4-[2-(trifluor omethyl)phenoxy]-1-piperidinyl]pyridazine; Pyridazine, 3-(5-methyl-1,3,4-thiadia zol-2-yl)-6-(4-(2-(trifluoromethyl)phenoxy)-1-piperidinyl)-; 2-Methyl-5-[6-[4-[2 -(trifluoromethyl)phenoxy]piperidin-1-yl]pyridazin-3-yl]-1,3,4-thiadiazole
CAS No.	921605-87-0
Compound CID	16042458
Formula	$C_{19}H_{18}F_3N_5OS$
Formula Weight	421.44

Specification

Relative Density	1.365 g/cm^3
IUPAC Name	2-Methyl-5-[6-[4-[2-(trifluoromethyl)phenoxy]piperidin-1-yl]pyridazin-3-yl]-1,3, 4-thiadiazole
InChI	InChI=1S/C19H18F3N5OS/c1-12-23-26-18(29-12)15-6-7-17(25-24-15)27-10-8-13(9-11-27)28-16-5-3-2-4-14(16)19(20,21)22/h2-7,13H,8-11H2,1H3
InChI Key	NVUJDKDVOZVALT-UHFFFAOYSA-N
SMILES string	CC1=NN=C(S1)C2=NN=C(C=C2)N3CCC(CC3)OC4=CC=CC=C4C(F)(F)F

Address: 101-4 Colin Dr, Holbrook, NY 11741, USA
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info@obesityscientific.com

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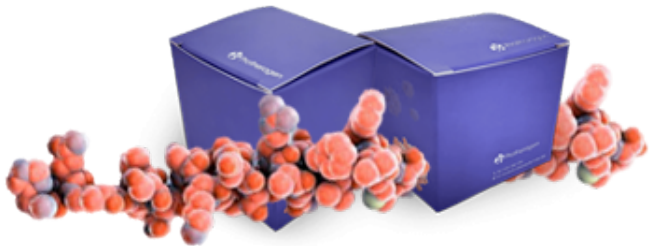

Stability	3 years in powder form.
Storage	Storage at -20°C.
Applications	MF-438 can be used to study cell signaling pathways or play an important role in mechanistic studies of metabolic syndrome.

Library Information

Targets	Dehydrogenase; Stearoyl-CoA desaturase (SCD)
Receptors	SCD1
Pathways	Metabolism
Plate Number	AOCL-3
Plate Location	h4
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10 mM DMSO
DMSO Max Solubility	45 mg/mL; 106.78 mM

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