



GSK5182

Cat. No.:	OB0225WX-2017
Appearance:	Solid
Purity:	≥97%
Identity:	Confirmed by NMR, and HPLC.
Size:	1 mg; 2 mg; 5 mg; 10 mg; 25 mg; 50 mg; 100 mg

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

Product Overview

Description	GSK5182 is a highly selective inverse agonist of the estrogen-related receptor γ (ERR- γ) featuring an IC ₅₀ value of 79 nM.
Synonym	877387-37-6; (E/Z)-GSK5182; GSK 5182; (Z)-4-(1-(4-(2-(dimethylamino)ethoxy)phenyl)-5-hydroxy-2-phenylpent-1-en-1-yl)phenol; 4-[(1Z)-1-{4-[2-(dimethylamino)ethoxy]phenyl}-5-hydroxy-2-phenylpent-1-en-1-yl]phenol; 4-[(Z)-1-[4-(2-(dimethylamino)ethoxy)phenyl]-5-hydroxy-2-phenylpent-1-enyl]phenol; 4-[(Z)-1-[4-[2-(dimethylamino)ethoxy]phenyl]-5-hydroxy-2-phenylpent-1-enyl]phenol; 4-[1-[4-[2-(dimethylamino)ethoxy]phenyl]-5-hydroxy-2-phenylpent-1-enyl]phenol; 4-(1-(4-(2-(Dimethylamino)ethoxy)phenyl)-5-hydroxy-2-phenylpent-1-en-1-yl)phenol; 4-[(z)-1-[4-(2-(dimethylamino)ethoxy)phenyl]-5-hydroxy-2-phenylpent-1-enyl]phenol
CAS No.	877387-37-6
Compound CID	6852176
Formula	C ₂₇ H ₃₁ NO ₃
Formula Weight	417.54

Specification

Targets&IC50	ERR γ : 79 nM (IC ₅₀)
Relative Density	1.132 g/cm ³
IUPAC Name	4-[(Z)-1-[4-[2-(Dimethylamino)ethoxy]phenyl]-5-hydroxy-2-phenylpent-1-enyl]phenol



InChI	InChI=1S/C27H31NO3/c1-28(2)18-20-31-25-16-12-23(13-17-25)27(22-10-14-24(30)15-11-22)26(9-6-19-29)21-7-4-3-5-8-21/h3-5,7-8,10-17,29-30H,6,9,18-20H2,1-2H3/b27-26-
InChI Key	ZVSFBNLNLXEFQ-RQZHXJHFSA-N
SMILES string	CN(C)CCOC1=CC=C(C=C1)/C(=C(/CCCO)\C2=CC=CC=C2)/C3=CC=C(C=C3)O
Stability	3 years in powder form.
Storage	Storage at -20°C.
Applications	GSK5182 is used in metabolic and endocrine research as a selective inverse agonist of the estrogen-related receptor gamma (ERR-gamma) to study the regulation of hepatic glucose production.

Library Information

Target	Estrogen/progestogen receptor; Estrogen receptor/ERR; Reactive oxygen species
Receptor	ERRγ; Estrogen receptor/ERR; Reactive oxygen species
Pathways	Endocrinology/Hormones; Metabolism; Immunology/Inflammation; NF-κB
Plate Number	AOCL-26
Plate Location	g10
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10mM DMSO
DMSO Max Solubility	60 mg/mL; 143.7 mM