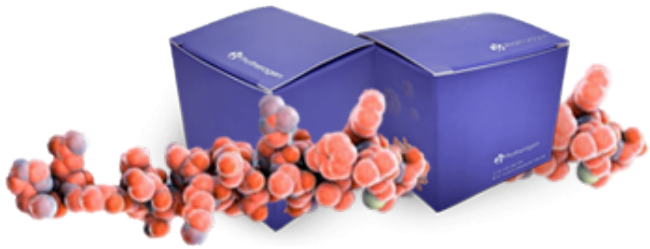
Protheragen Obesity



PF-04802367

Cat. No.:	OB0225WX-2157
Appearance:	Solid
Purity:	≥98%
Identity:	Confirmed by NMR, HPLC, and LC-MS.
Size:	1 mg; 5 mg; 10 mg; 25 mg; 50 mg; 100 mg; 200 mg

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

Product Overview

Description	PF-04802367 is a highly potent GSK-3 inhibitor with IC50 values of 2.1 nM agains t recombinant human GSK-3β and approximately 10 nM for both isoforms in mobility shift assays.
Synonym	1962178-27-3; 5-(3-Chloranyl-4-Methoxy-Phenyl)-~{n}-[3-(1,2,4-Triazol-1-Yl)propy l]-1,3-Oxazole-4-Carboxamide; *N*-(3-(1h-1,2,4-triazol-1-yl)propyl)-5-(3-ch loro-4-methoxyphenyl)oxazole-4-carboxamide; 5-(3-chloro-4-methoxyphenyl)-*N*-[3-(1,2,4-triazol-1-yl)propyl]-1,3-oxazole-4-carboxamide
CAS No.	1962178-27-3
Compound CID	60148521
Formula	$C_{16}H_{16}ClN_5O_3$
Formula Weight	361.78

Specification

Targets&IC50	GSK-3β: 9 nM (IC50); GSK-3α: 10 nM (IC50)
IUPAC Name	5-(3-Chloro-4-methoxyphenyl)-*N*-[3-(1,2,4-triazol-1-yl)propyl]-1,3-oxazole -4-carboxamide
InChI	InChI=1S/C16H16ClN5O3/c1-24-13-4-3-11(7-12(13)17)15-14(20-10-25-15)16(23)19-5-2-6-22-9-18-8-21-22/h3-4,7-10H,2,5-6H2,1H3,(H,19,23)
InChI Key	RQFYFNAGNBUGFC-UHFFFAOYSA-N
SMILES string	COC1=C(C=C(C=C1)C2=C(N=CO2)C(=O)NCCCN3C=NC=N3)Cl

Address: 101-4 Colin Dr, Holbrook, NY 11741, USA
Phone: 1-631-506-1393
info@obesityscientific.com

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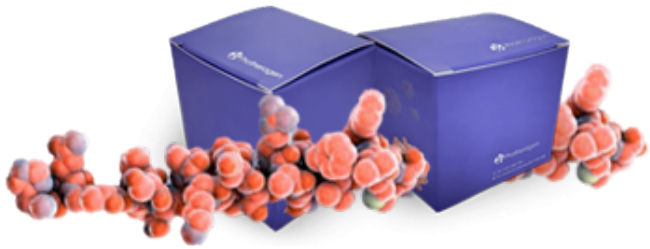

Stability	3 years in powder form.
Storage	Storage at -20°C.
Applications	PF-04802367 is utilized in neurobiology research as a highly selective GSK-3 inh ibitor to study the regulation of circadian rhythms and the modulation of behavi oral responses in neurological models.

Library Information

Target	GSK-3
Receptor	GSK-3α; GSK-3β
Pathways	Stem cells; PI3K/Akt/mTOR signaling
Plate Number	AOCL-28
Plate Location	f2
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10mM DMSO
DMSO Max Solubility	100 mg/mL; 276.41 mM

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