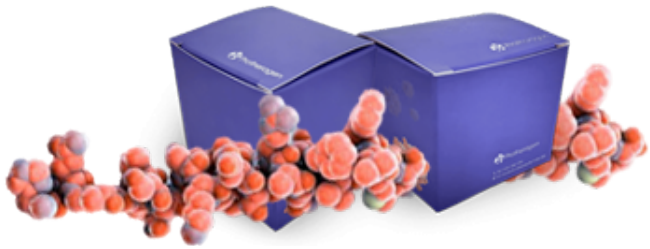
Protheragen
Obesity



iCRT 14

Cat. No.:	OB0225WX-1707
Appearance:	Solid
Purity:	≥99%
Identity:	Confirmed by NMR, HPLC, and LC-MS.
Size:	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	iCRT 14 is a novel and potent inhibitor of β-catenin-responsive transcription (C RT), demonstrating a half-maximal inhibitory concentration (IC50) of 40.3 nM in Wnt pathway activity assays.
Synonym	677331-12-3; iCRT-14; iCRT14; (5*Z*)-5-[(2,5-dimethyl-1-pyridin-3-ylpyrrol- 3-yl)methylidene]-3-phenyl-1,3-thiazolidine-2,4-dione; (5*Z*)-5-{[2,5-Dimet hyl-1-(3-pyridinyl)-1H-pyrrol-3-yl]methylene}-3-phenyl-1,3-thiazolidine-2,4-dion e; (5*Z*)-5-{[2,5-dimethyl-1-(pyridin-3-yl)-1H-pyrrol-3-yl]methylidene}-3-p henyl-1,3-thiazolidine-2,4-dione; 5-[[2,5-Dimethyl-1-(3-pyridinyl)-1H-pyrrol-3-y l]methylene]-3-phenyl-2,4-thiazolidinedione; iCRT 14; iCRT14; CRT Inhibitor iCRT 14; 5-((2,5-Dimethyl-1-(pyridin-3-yl)-1H-pyrrol-3-yl)methylene)-3-phenylthiazoli dine-2,4-dione
CAS No.	677331-12-3
Compound CID	5967294
Formula	$C_{21}H_{17}N_3O_2S$
Formula Weight	375.44

Specification

Targets&IC50	Wnt responsive STF16 luciferase: 40.3 nM
Relative Density	1.29 g/cm^3
IUPAC Name	(5*Z*)-5-[(2,5-Dimethyl-1-pyridin-3-ylpyrrol-3-yl)methylidene]-3-phenyl-1,3 -thiazolidine-2,4-dione

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

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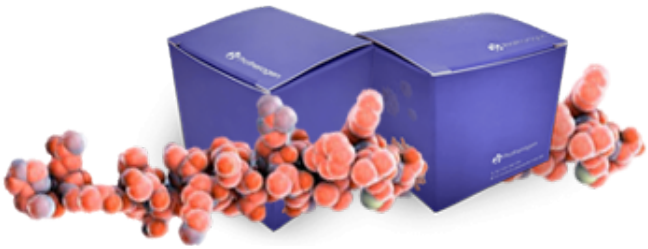

InChI	InChI=1S/C21H17N3O2S/c1-14-11-16(15(2)23(14)18-9-6-10-22-13-18)12-19-20(25)24(21(26)27-19)17-7-4-3-5-8-17/h3-13H,1-2H3/b19-12-
InChI Key	NCSHZXNGQYSKLR-UNOMPAQXSA-N
SMILES string	CC1=CC(=C(N1C2=CN=CC=C2)C)/C=C\3/C(=O)N(C(=O)S3)C4=CC=CC=C4
Stability	3 years in powder form.
Storage	Storage at -20°C.
Applications	iCRT 14 is applied in oncological research to examine the targeted inhibition of the beta-catenin/TCF4 complex and its impact on the proliferation of Wnt-depend ent cancer cells.

Library Information

Target	Wnt/β-Catenin
Receptor	Wnt
Pathways	Stem cells; Cytoskeletal signaling
Plate Number	AOCL-22
Plate Location	h2
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10mM DMSO
DMSO Max Solubility	12 mg/mL; 31.96 mM
ALogP	3.741
HBA_Count	3
HBD_Count	0
Rotatable Bond	3

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