



CWP232228

Cat. No.:	OB0225WX-1709
Appearance:	Solid
Purity:	≥96%
Identity:	Confirmed by NMR, and LC-MS.
Size:	1 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	CWP232228 is a selective Wnt/β-catenin signaling inhibitor that functions by antagonizing the nuclear binding of β-catenin to T-cell factor (TCF) without inducing cellular toxicity.
Synonym	CWP232228 sodium; 1144044-02-9; Disodium;[4-[[[(6S,9aS)-1-(benzylcarbamoyl)-8-[(2-methylindazol-7-yl)methyl]-4,7-dioxo-2-prop-2-enyl-3,6,9,9a-tetrahydropyrazino[2,1-c][1,2,4]triazin-6-yl)methyl]phenyl] phosphate; Sodium 4-[[[(6S,9aS)-2-allyl-1-(benzylcarbamoyl)-8-[(2-methyl-2H-indazol-7-yl)methyl]-4,7-dioxooctahydro-1H-pyrazino[2,1-c][1,2,4]triazin-6-yl)methyl]phenyl] phosphate
CAS No.	1144044-02-9
Compound CID	71509158
Formula	C ₃₃ H ₃₄ N ₇ Na ₂ O ₇ P
Formula Weight	717.63

Specification

IUPAC Name	Disodium;[4-[[[(6S,9aS)-1-(benzylcarbamoyl)-8-[(2-methylindazol-7-yl)methyl]-4,7-dioxo-2-prop-2-enyl-3,6,9,9a-tetrahydropyrazino[2,1-c][1,2,4]triazin-6-yl)methyl]phenyl] phosphate
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InChI	InChI=1S/C33H36N7O7P.2Na/c1-3-16-38-22-30(41)39-28(17-23-12-14-27(15-13-23)47-48(44,45)46)32(42)37(20-26-11-7-10-25-19-36(2)35-31(25)26)21-29(39)40(38)33(43)34-18-24-8-5-4-6-9-24;;/h3-15,19,28-29H,1,16-18,20-22H2,2H3,(H,34,43)(H2,44,45,46);;/q;2*+1/p-2/t28-,29-;;/m0../s1
InChI Key	KKMKZLQVDAGSOA-GDUXWEAWSA-L
SMILES string	CN1C=C2C=CC=C(C2=N1)CN3C[C@H]4N([C@H](C3=O)CC5=CC=C(C=C5)OP(=O)([O-])[O-])C(=O)CN(N4C(=O)NCC6=CC=CC=C6)CC=C.[Na+].[Na+]
Stability	3 years in powder form.
Storage	Storage at -20°C.
Applications	CWP232228 is utilized in oncology research as a potent antagonist of the Wnt pathway to study the suppression of breast cancer stem cell self-renewal and signaling.

Library Information

Target	Wnt/β-Catenin
Receptor	Wnt/β-Catenin
Pathways	Cytoskeletal signaling; Stem cells
Plate Number	AOCL-22
Plate Location	h4
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10mM DMSO
Water Max Solubility	60.00 mg/mL; 83.61 mM