

Product Data Sheet

Product Name: CWP232228

Cat. No.: GC39626

Chemical Properties

Cas. No. 1144044-02-9

SMILES C=CCN1CC(N([C@@H](CC2=CC=C(OP(O[Na])(O[Na])=O)C=C2)C(N(CC3=CC=CC4=CN(C)N=C43)C5)=O)[C@H]5N1C(NCC6=CC=CC=C6)=O)=O

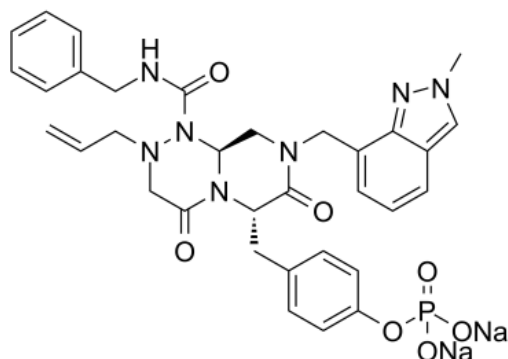
Formula $C_{33}H_{34}N_7Na_2O_7P$ M.Wt 717.62

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

CWP232228, a highly potent selective Wnt/β-catenin signaling inhibitor, antagonizes binding of β-catenin to T-cell factor (TCF) in the nucleus. CWP232228 suppresses tumor formation and metastasis without toxicity through the inhibition of the growth of breast and liver cancer stem cells (CSCs)[1].

[1]. Jang GB, et al. Wnt/β-Catenin Small-Molecule Inhibitor CWP232228 Preferentially Inhibits the

Caution: Product has not been fully validated for medical applications. For research use only.

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Growth of Breast Cancer Stem-like Cells. Cancer Res. 2015 Apr 15;75(8):1691-702. [2]. Kim JY, et al. Oncotarget. 2016 Apr 12;7(15):20395-409. CWP232228 targets liver cancer stem cells through Wnt/ β -catenin signaling: a novel therapeutic approach for liver cancer treatment.

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