
Product Data Sheet

Product Name: Wnt/ β -catenin agonist 3

Cat. No.: GC66039

Chemical Properties

Cas. No. 912790-59-1

Formula $C_{16}H_{15}ClN_4O_2$

M.Wt 330.77

Solubility DMSO : 250 mg/mL (755.81 mM; Need ultrasonic)

Storage 4°C, protect from light

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

Wnt/ β -catenin agonist 3 (compound 98) is a **Wnt/ β -catenin** signalling pathway agonist. Wnt/ β -catenin agonist 3 can be used for the research of osteoporosis^[1].

Wnt/ β -catenin agonist 3 (compound 98; 24 h; HEK293 and SW480 cells) has 54% cell activity at 120 μ M concentration compared with the positive control group LiCl (20mM)^[1].

Wnt/ β -catenin agonist 3 (30 and 60 μ M; 24 h; HEK293 cells) is an activator for β -Catenin and deposits β -catenin^[1].

Wnt/ β -catenin agonist 3 (11 μ M; 4 d) induces differentiation of ST2 cell line into osteoblasts and calcium deposition^[1].

Western Blot Analysis^[1]

Cell Line: HEK293 cells

Concentration: 30 and 60 μ M

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

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Incubation
Time:

24 hours

Result:

Deposited β -catenin in a dose-dependent pattern within cells.

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