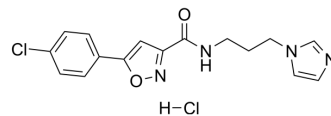


## Wnt/ $\beta$ -catenin agonist 3 hydrochloride

Cat. No.:	HY-148055A
Molecular Formula:	C <sub>16</sub> H <sub>16</sub> Cl <sub>2</sub> N <sub>4</sub> O <sub>2</sub>
Molecular Weight:	367.23
Target:	$\beta$ -catenin
Pathway:	Stem Cell/Wnt
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### BIOLOGICAL ACTIVITY

<b>Description</b>	Wnt/ $\beta$ -catenin agonist 3 hydrochloride is a Wnt/ $\beta$ -catenin signalling pathway agonist. Wnt/ $\beta$ -catenin agonist 3 (compound 98) can be used for the research of osteoporosis <sup>[1]</sup> .
<b>In Vitro</b>	<p>Wnt/<math>\beta</math>-catenin agonist 3 hydrochloride (compound 98; 24 h; HEK293 and SW480 cells) has 54% cell activity at 120 <math>\mu</math>M concentration compared with the positive control group LiCl (20mM)<sup>[1]</sup>.</p> <p>Wnt/<math>\beta</math>-catenin agonist 3 hydrochloride (30 and 60 <math>\mu</math>M; 24 h; HEK293 cells) is an activator for <math>\beta</math>-Catenin and deposits <math>\beta</math>-catenin<sup>[1]</sup>.</p> <p>Wnt/<math>\beta</math>-catenin agonist 3 hydrochloride (11 <math>\mu</math>M; 4 d) induces differentiation of ST2 cell line into osteoblasts and calcium deposition<sup>[1]</sup>.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

### REFERENCES

[1]. Cho JW, et al. Isoxazole derivatives and use thereof. WO2007078113A1.

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

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