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Zuschläge

- Mindermengenzuschlag
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- Gefahrgutzuschlag
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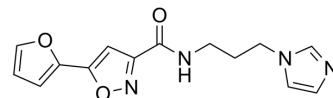
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SKL2001 (GMP)

Cat. No.:	HY-101085G
CAS No.:	909089-13-0
Molecular Formula:	C ₁₄ H ₁₄ N ₄ O ₃
Molecular Weight:	286.29
Target:	Wnt; β -catenin
Pathway:	Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	SKL2001 (GMP) is SKL2001 (HY-101085) produced by using GMP guidelines. SKL2001 is an agonist of the Wnt/ β -catenin pathway, with anti-cancer activity. SKL2001 stabilizes intracellular β -catenin via disruption of the Axin/ β -catenin interaction [1].
IC ₅₀ & Target	Wnt/ β -catenin ^[1]
In Vitro	SKL2001 is an agonist of the Wnt/ β -catenin pathway, and also upregulates the expression of Axin2, a downstream target of the Wnt/ β -catenin pathway, but shows no effect on NF- κ B, p53 reporter activity and GSK-3 β activity. SKL2001 causes osteoblast differentiation (20 and 40 μ M) and suppresses preadipocyte differentiation (5, 10, and 30 μ M) via the activation of the Wnt/ β -catenin pathway. SKL2001 (5, 10, and 30 μ M) stabilizes intracellular β -catenin in 3T3-L1 cells ^[1] . SKL2001 (40 μ M) significantly inhibits the proliferation of HCT116 spheroids independently of cytotoxicity and the inhibition is reversible; SKL2001 causes cell cycle arrest in HCT116 spheroids. SKL2001 (40 μ M) enhances round-shape spheroid formation and E-cadherin expression ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Exp Mol Med. 2022 Sep 1.
- Clin Exp Hypertens. 2023 Dec 31;45(1):2178659.
- J Adv Res. 26 November 2021.
- Cell Death Dis. 2020 Aug 18;11(8):644.
- Environ Pollut. 2023 May 31;121931.

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REFERENCES

[1]. Gwak J, et al. Small molecule-based disruption of the Axin/ β -catenin protein complex regulates mesenchymal stem cell differentiation. *ell Res*. 2012 Jan;22(1):237-47.

[2]. Ohashi W, et al. SKL2001 suppresses colon cancer spheroid growth through regulation of the E-cadherin/ β -Catenin complex. Biochem Biophys Res Commun. 2017 Nov 25;493(3):1342-1348.

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

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