

Product Name	: SKL2001
Synonyms	: SKL 2001;SKL-2001
Cat No.	: M16533
CAS Number	: 909089-13-0
Molecular Formula	: C ₁₄ H ₁₄ N ₄ O ₃
Formula Weight	: 286.29
Chemical Name	: 5-Furan-2yl-isoxazole-3-carboxylic acid (3-imidazol-1yl-propyl)-amide
Description	SKL2001 is a specific small molecule activator (agonist) of the Wnt/β-catenin pathway, stabilizes intracellular β-catenin via disruption of the Axin/β-catenin interaction; strongly activates β-catenin responsive transcription, upregulates TOPflash reporter activity without effect on the activity of FOPFlash with mutated β-catenin/Tcf-binding elements, as well as either NF-κB or p53 reporter activity; upregulates the expression of Axin2, inhibits N-terminal β-catenin phosphorylation without affecting GSK-3β activity; suppresses preadipocyte differentiation, the alternative mesenchymal differentiation pathway.
Pathway	: Wnt/Notch/Hedgehog
Target	: Beta-catenin
Receptor	: Wnt/β-catenin
Solubility	: DMSO: 53 mg/mL (185.1 mM); Ethanol: 53 mg/mL (185.1 mM); Water: <1 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)
SMILES	: O=C(C1=NOC(C2=CC=CO2)=C1)NCCCN3C=CN=C3
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Gwak J, et al. Cell Res. 2012 Jan;22(1):237-47. 2. DiRenzo DM, et al. Cell Signal. 2016 May;28(5):498-505. 3. Ohashi W, et al. Biochem Biophys Res Commun. 2017 Nov 25;493(3):1342-1348.