

Product Name	: Robotnikinin
Synonyms	: Robotnikinin
Cat No.	: M10462
CAS Number	: 1132653-79-2
Molecular Formula	: C ₂₅ H ₂₇ ClN ₂ O ₄
Formula Weight	: 454.95
Chemical Name	: N-[(4-chlorophenyl)methyl]-5,12-dioxo-2R-phenyl-1-oxa-4-azacyclododec-8E-ene-6S-acetamide
Description	: Robotnikinin is a small molecule that binds the extracellular Sonic Hedgehog (Shh) protein (K _d =3.1 μM) and blocks Shh-signaling in cell lines, human primary keratinocytes and synthetic model of human skin; displays significant repression of Shh-induced Gli1/Gli2, and interferes with the ability of the ShhN protein complex to relay its signal efficiently to Ptc1.
Pathway	: GPCR/G Protein
Target	: Hedgehog (Hh)
Receptor	: Hedgehog (Hh)
Solubility	: —
SMILES	: <chem>O=C(NCC1=CC=C(Cl)C=C1)C[C@H](C/C=C/CC2)C(=O)N[C@@H](C3=CC=CC=C3)OC2=O=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Stanton BZ, et al. Nat Chem Biol. 2009 Mar;5(3):154-6. | 2. Hassounah NB, et al. Clin Cancer Res. 2012 May 1;18(9):2429-35. | 3. Peng LF, et al. Bioorg Med Chem Lett. 2009 Nov 15;19(22):6319-25.

