

Robotnikinin

Cat. No. CEI-0665

Lot. No. (See product label)

Introduction

Description A small-molecule chemical inhibitor of Sonic hedgehog (Shh) signaling, that blocks hedgehog signaling through specific binding and blockade of Shh signaling factor. It is the first-characterized hedgehog inhibitor whose molecular mechanism of action is through blockade of Shh protein and not a subsequent factor of the hedgehog signaling cascades. Robotnikinin binds to the Shh-N terminal protein in a concentration-dependent fashion with a K_d of 9 μM.

Product Information

Appearance Liquid

CAS No. 1132653-79-2

Molecular Formula C₂₅H₂₇ClN₂O₄

Chemical Name N-[(4-Chlorophenyl)methyl]-2-[(2R,6S,8E)-5, 12-dioxo-2-phenyl-1-oxa-4-azacyclododec-8-en-6-yl]acetamide

Molecular Weight 557.7

Purity >95% by HPLC

Targets SHH

Storage and Shipping Information

Storage -20 centigrade

Shipping Conditions Gel pack