Creative Enzymes®

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 Kd of 9 μM.

Product Information

Appearance	Liquid
CAS No.	1132653-79-2
Molecular Formula	$C_{25}H_{27}ClN_2O_4$
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