

## 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  $\mu$ M.

### Product Information

<b>Appearance</b>	Liquid
<b>CAS No.</b>	1132653-79-2
<b>Molecular Formula</b>	$C_{25}H_{27}ClN_2O_4$
<b>Chemical Name</b>	N-[(4-Chlorophenyl)methyl]-2-[(2R,6S,8E)-5, 12-dioxo-2-phenyl-1-oxa-4-azacyclododec-8-en-6-yl]acetamide
<b>Molecular Weight</b>	557.7
<b>Purity</b>	>95% by HPLC
<b>Targets</b>	SHH

### Storage and Shipping Information

<b>Storage</b>	-20 centigrade
<b>Shipping Conditions</b>	Gel pack