

## 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  $\mu$ M.

### Product Information

**Appearance** Liquid

**CAS No.** 1132653-79-2

**Molecular Formula** C<sub>25</sub>H<sub>27</sub>ClN<sub>2</sub>O<sub>4</sub>

**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