

## SCD1 Inhibitor

Cat. No. CEI-0644

Lot. No. (See product label)

### Introduction

**Description** Cell-permeable. A potent and selective inhibitor of SCD1 (stearoyl-CoA desaturase 1) (In vitro:  $IC_{50} = 37$  nM for hSCD1,  $<4$  nM for mSCD1). Also exhibited in vivo efficacy with dose-dependent desaturation index lowering effect. SCD1 inhibition resulted in alterations in macrophage membrane lipid composition and marked hypersensitivity to toll-like receptor 4 agonists.

**Synonyms** A939572

### Product Information

**Appearance** Lyophilized solid

**Molecular Formula**  $C_{20}H_{22}ClN_3O_3$

**Chemical Name** 4-(2-Chlorophenoxy)-N-(3-(3-methylcarbamoyl)phenyl)piperidine-1-carboxamide

**Molecular Weight** 695.7

**Purity** Single spot by TLC

**Targets** SCD

**Solubility** DMSO (20 mM)

### Storage and Shipping Information

**Storage** -20 centigrade

**Shipping Conditions** Gel pack