

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