

CAY10650

Catalog No: tcsc2024



Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg

Size: 50mg



Specifications

CAS No:

1233706-88-1

Formula:

$C_{28}H_{25}NO_6$

Pathway:

Metabolic Enzyme/Protease

Target:

Phospholipase

Purity / Grade:

>98%

Solubility:

DMSO : \geq 43 mg/mL (91.20 mM)

Observed Molecular Weight:

471.5

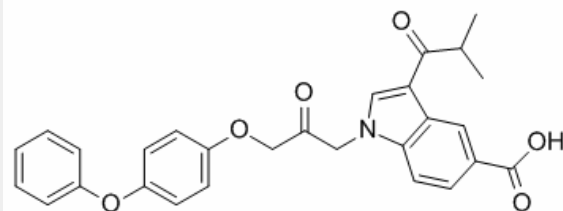
Product Description

CAY10650 is a highly potent cytosolic phospholipase A2 α (cPLA2 α) inhibitor with an IC50 value of 12 nM.

IC₅₀ value: 12 nM

Target: cPLA₂

CAY10650 is a highly potent (IC₅₀ = 12 nM) cPLA₂α inhibitor. It demonstrates strong anti-inflammatory effects when applied topically at a dose of 0.1 mg/ear in a mouse model of acute irritant contact dermatitis. Chinese hamsters (n = 6/group) were infected with parasite-laden contact lenses and treated with cPLA₂α inhibitors (AACOCF₃ and CAY10650) 50 µg/5 µl was injected with topical eye-drop under the contact lens of an infected cornea three times a day for 6 days and topically on days 7–14 postinfection. Animals were anesthetized and sacrificed 15 days after application of cPLA₂α inhibitors. Treatment with the AACOCF₃ and CAY10650 had a profound effect on the severity and chronicity of keratitis. In addition, hamsters treated with AACOCF₃ had significantly less severe keratitis as compared with CAY10650 group.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!