

Deltarasin (hydrochloride)

Catalog No: tcsc1748



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

1613404-76-4

Formula:

$C_{40}H_{38}ClN_5O$

Pathway:

Metabolic Enzyme/Protease

Target:

Phosphodiesterase (PDE)

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 52 mg/mL (81.22 mM); H₂O : 50 mg/mL (78.10 mM; Need ultrasonic)

Observed Molecular Weight:

640.22

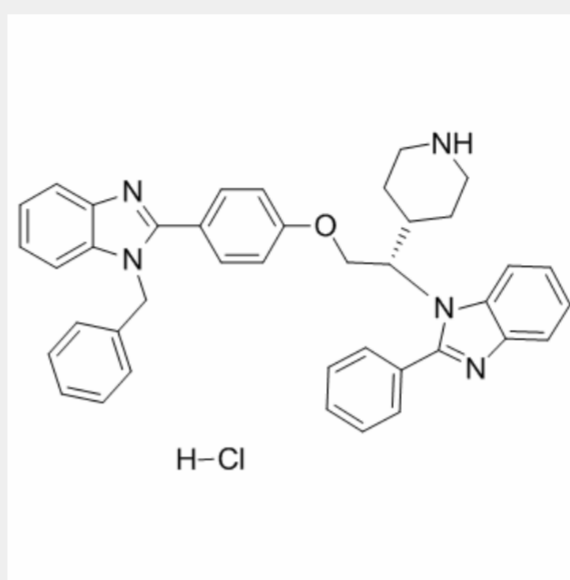
Product Description

Deltarasin hydrochloride is an inhibitor of **KRAS-PDE δ** interaction with **K_d** of 38 nM for binding to purified PDE δ .

IC50 & Target: Kd: 38 nM (PDE6)

In Vitro: In liver cells, deltarasin inhibits the interaction of RAS with PDE6 with K_D of 41 nM. Inhibition of PDE6-KRAS interaction by deltarasin suppresses proliferation of human pancreatic ductal adenocarcinoma cells that are dependent on oncogenic KRAS^[1].

In Vivo: Deltarasin (10 mg/kg, i.p.) impairs dose-dependent tumor growth in nude mice bearing subcutaneous human Panc-Tu-1 tumour cell xenografts^[1].



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