Taiclone®
Quality Guarantee

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GGTI298 Trifluoroacetate

Catalog No: tcsc7690

Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg

Size: 25mg

Size: 50mg

Specifications

CAS No:
1217457-86-7

Formula:
$C_{29}H_{34}F_3N_3O_5S$

Pathway:
GPCR/G Protein

Target:
Ras

Purity / Grade:
>98%

Solubility:
DMSO : 150 mg/mL (252.67 mM; Need ultrasonic and warming)

Observed Molecular Weight:
593.66

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Product Description

GGTI298 Trifluoroacetate is a CAAZ peptidomimetic geranylgeranyltransferase I (**GGTase I**) inhibitor, which can inhibit **Rap1A** with **IC_{50}** of 3 μM; little effect on **Ha-Ras** with **IC_{50}** of >20 μM.

IC50 & Target: IC50: 3 μM (Rap1A, in vivo), > 20 μM (Ha-Ras, in vivo)[3]

In Vitro: RhoA inhibitor (GGTI298 Trifluoroacetate) significantly reduces cAMP agonist-stimulated apical K+ conductance[1]. Knockdown of DR4 abolishes NF-κB activation, leading to sensitization of DR5-dependent apoptosis induced by the combination of GGTI298 Trifluoroacetate and TRAIL. GGTI298 Trifluoroacetate/TRAIL activates NF-κB and inhibits Akt. Knockdown of DR5, prevents GGTI298/TRAIL-induced IκBα and p-Akt reduction, suggesting that DR5 mediates reduction of IκBα and p-Akt induced by GGTI298/TRAIL. In contrast, DR4 knockdown further facilitates GGTI298/TRAIL-induced p-Akt reduction[2].

In Vivo: The vivo mouse ileal loop experiments show fluid accumulation is reduced in a dose-dependent manner by TRAM-34, GGTI298 Trifluoroacetate, or H1152 when inject together with cholera toxin into the loop[1].