

EHT 1864

Catalog No: tcsc3154



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg



Specifications

CAS No:

754240-09-0

Formula:

$C_{25}H_{29}Cl_2F_3N_2O_4S$

Pathway:

GPCR/G Protein

Target:

Ras

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 32 mg/mL (55.03 mM)

Observed Molecular Weight:

581.48

Product Description

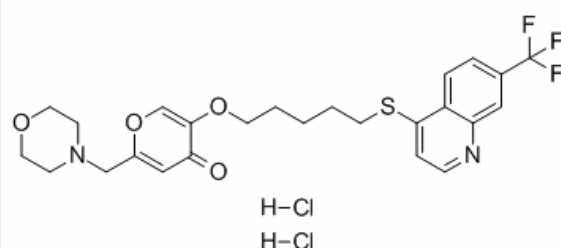
EHT 1864 is a small molecule inhibitor of Rac1 signaling; modulate γ -Secretase-mediated APP processing.

IC50 value:

Target: Rac1 inhibitor

in vitro: EHT 1864 blocks A β 40 and A β 42 production but does not impact sAPP α levels and does not inhibit γ -secretase. Rather, EHT 1864 modulates APP processing at the level of γ -secretase to prevent A β 40 and A β 42 generation. This effect does not result from a direct inhibition of the γ -secretase activity and is specific for APP cleavage, since EHT 1864 does not affect Notch cleavage [1]. EHT 1864 specifically inhibited Rac1-dependent platelet-derived growth factor-induced lamellipodia formation. Furthermore, our biochemical analyses with recombinant Rac proteins found that EHT 1864 possesses high affinity binding to Rac1, as well as the related Rac1b, Rac2, and Rac3 isoforms, and this association promoted the loss of bound nucleotide, inhibiting both guanine nucleotide association and Tiam1 Rac guanine nucleotide exchange factor-stimulated exchange factor activity in vitro [2].

in vivo: EHT1864 significantly reduces A β 40 and A β 42 levels in guinea pig brains at a threshold that is compatible with delaying plaque accumulation and/or clearing the existing plaque in brain [1].



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