



Product Information

Ras inhibitor EHT 1864, Purity $\geq 98\%$

Cat. No.: X24-05-ZQ895

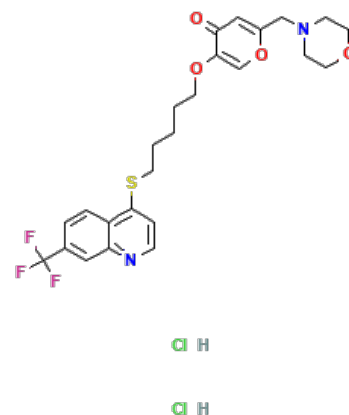
Size: 10 mg; 25 mg; 50 mg

CAS Number: 754240-09-0

Compound CID: 9938202

Synonym: 754240-09-0; EHT-1864; EHT1864; Ras inhibitor

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	EHT 1864, soluble in warmed DMSO and water and insoluble in ethanol, blocks the activity of Ras proteins, which play a key role in cell signal transduction and are frequently implicated in oncogenic mutations. It targets Rac1, Rac1b, Rac2, and Rac3.
Molecular Weight	581.47
Molecular Formula	C ₂₅ H ₂₇ F ₃ N ₂ O ₄ S.2HCl
Targets	Rac1: 40 nM (Kd); Rac1b: 50 nM (Kd); Rac2: 60 nM (Kd); Rac3: 250 nM (Kd)
IUPAC Name	2-(Morpholin-4-ylmethyl)-5-[5-[7-(trifluoromethyl)quinolin-4-yl]sulfanyl]pentoxy]pyran-4-one; dihydrochloride
InChI	InChI=1S/C25H27F3N2O4S.2ClH/c26-25(27,28)18-4-5-20-21(14-18)29-7-6-24(20)35-13-3-1-2-10-3-23-17-34-19(15-22(23)31)16-30-8-11-32-12-9-30;/h4-7,14-15,17H,1-3,8-13,16H2;2*1H
InChI Key	LSECOAJFCKFQJG-UHFFFAOYSA-N
Canonical SMILES	C1COCCN1CC2=CC(=O)C(=CO2)OCCCCCSC3=C4C=CC(=CC4=NC=C3)C(F)(F)F.Cl.Cl
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	Warmed DMSO: 90 mg/mL (154.77 mM); Water: 90 mg/mL (154.77 mM); Ethanol: Insoluble
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	EHT 1864 can be employed to study inhibition of Rac1 in cellular processes and cancer metastasis.
Storage	Store at -20°C.



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