

Ebio3

Chemical Properties

CAS No. :

Formula: C19H23F2N3O2

Molecular Weight: 363.4

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Ebio3 is a selective potassium ion channel (KCNQ2) inhibitor with an IC50 of 1.2 nM. It binds to the KCNQ2 channel via its hydrophobic tail, causing the inward movement of the S6 helix, which results in the closure of the internal gate. The inhibitory effect of Ebio3 is equally effective on pathogenic KCNQ2 mutants, such as R75C and I238L, reducing their outward current by approximately 80%. Ebio3 holds potential for research in neurological disorders like epilepsy.
Targets(IC50)	Potassium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7518 mL	13.7589 mL	27.5179 mL
5 mM	0.5504 mL	2.7518 mL	5.5036 mL
10 mM	0.2752 mL	1.3759 mL	2.7518 mL
50 mM	0.055 mL	0.2752 mL	0.5504 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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