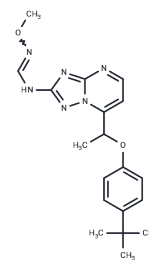


B-TPMF

Chemical Properties

CAS No. :	477865-65-9
Formula:	C ₁₉ H ₂₄ N ₆ O ₂
Molecular Weight:	368.43
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	B-TPMF is a highly efficient and selective KCa2.1 channel inhibitor with an IC ₅₀ of 31 nM, interacting with the serine residue at position 293 to inhibit KCa2.1.
Targets(IC ₅₀)	Potassium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7142 mL	13.5711 mL	27.1422 mL
5 mM	0.5428 mL	2.7142 mL	5.4284 mL
10 mM	0.2714 mL	1.3571 mL	2.7142 mL
50 mM	0.0543 mL	0.2714 mL	0.5428 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.

Reference

Charlotte Hougaard, et al. Evidence for a common pharmacological interaction site on K(Ca)₂ channels providing both selective activation and selective inhibition of the human K(Ca)_{2.1} subtype. Mol Pharmacol. 2012 Feb;81(2): 210-9.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481