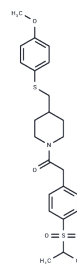


VU 0546110

Chemical Properties

CAS No. : 1421523-00-3
 Formula: C₂₄H₃₁NO₄S₂
 Molecular Weight: 461.64
 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	VU 0546110, a selective inhibitor of the sperm-specific potassium channel SLO3 (IC ₅₀ = 64 μM), demonstrates 40-fold selectivity over SLO1. It effectively blocks both heterologous SLO3 currents and endogenous K ⁺ currents, inhibiting sperm hyperpolarization and preventing hyperactivated mobility.
Targets(IC ₅₀)	Others,Potassium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1662 mL	10.831 mL	21.6619 mL
5 mM	0.4332 mL	2.1662 mL	4.3324 mL
10 mM	0.2166 mL	1.0831 mL	2.1662 mL
50 mM	0.0433 mL	0.2166 mL	0.4332 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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