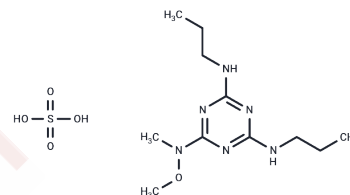


GAL-021 sulfate

Chemical Properties

CAS No. :	1380342-00-6
Formula:	C ₁₁ H ₂₄ N ₆ O ₅ S
Molecular Weight:	352.41
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	GAL-021 sulfate is a BKCa channel blocker that inhibits the analgesic effects of opioids and is used in the study of respiratory control diseases.
Targets(IC50)	Potassium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8376 mL	14.188 mL	28.376 mL
5 mM	0.5675 mL	2.8376 mL	5.6752 mL
10 mM	0.2838 mL	1.4188 mL	2.8376 mL
50 mM	0.0568 mL	0.2838 mL	0.5675 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

Golder FJ, et al. Identification and Characterization of GAL-021 as a Novel Breathing Control Modulator. *Anesthesiology*. 2015 Nov;123(5):1093-104.

J F McLeod, et al. GAL-021, a new intravenous BKCa-channel blocker, is well tolerated and stimulates ventilation in healthy volunteers. *Br J Anaesth*. 2014 Nov;113(5):875-83.

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