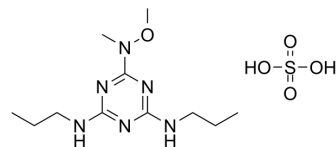


## GAL-021 sulfate

Cat. No.:	HY-101422A
CAS No.:	1380342-00-6
Molecular Formula:	C <sub>11</sub> H <sub>24</sub> N <sub>6</sub> O <sub>5</sub> S
Molecular Weight:	352.41
Target:	Potassium Channel
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

GAL-021 sulfate is a potent BK<sub>Ca</sub>-channel blocker. GAL-021 sulfate inhibits K<sub>Ca</sub>1.1 in GH3 cells. GAL-021 sulfate is a novel breathing control modulator that is based on selective modification of the almitrine pharmacophore. GAL-021 sulfate increases minute ventilation in rats and non-human primates<sup>[1][2]</sup>.

### CUSTOMER VALIDATION

- Int J Mol Sci. 2020 Jan 5;21(1):357.
- Biomolecules. 2020 Jan 25;10(2):188.
- Eur J Pharmacol. 2020 Nov 15;887:173482.
- BMC Pharmacol Toxicol. 2021 Jan 13;22(1):6.
- Pharmaceuticals. 2021 Apr 21;14(5):388.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

### REFERENCES

[1]. J F McLeod, et al. GAL-021, a new intravenous BK<sub>Ca</sub>-channel blocker, is well tolerated and stimulates ventilation in healthy volunteers. Br J Anaesth. 2014 Nov;113(5):875-83.

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

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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