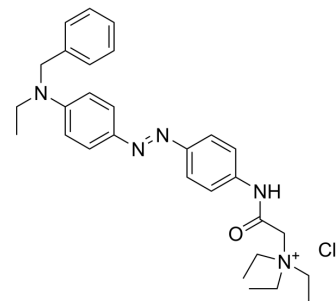


KIO-301 chloride

Cat. No.:	HY-161092
CAS No.:	1643463-59-5
Molecular Formula:	C ₂₉ H ₃₈ ClN ₅ O
Molecular Weight:	508.1
Target:	HCN Channel; Potassium Channel
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

KIO-301 chloride is an azobenzene photoswitch compound that can block voltage-gated ion channels, including hyperpolarisation-activated cyclic nucleotide-gated (HCN) and voltage-gated potassium channels during exposure to visible light^[1].

REFERENCES

[1]. Eric Daniels, et al. An Intravitreal 'Photoswitch' Molecule (KIO-301) for Reanimation in Retinitis Pigmentosa: a first-in-human trial. Investigative Ophthalmology & Visual Science June 2023, Vol.64, 5444.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA