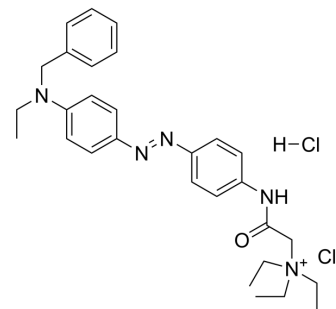


KIO-301 chloride (hydrochloride)

Cat. No.:	HY-161092A
Molecular Formula:	C ₂₉ H ₃₉ Cl ₂ N ₅ O
Molecular Weight:	544.56
Target:	HCN Channel; Potassium Channel
Pathway:	Membrane Transporter/Ion Channel
Storage:	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



BIOLOGICAL ACTIVITY

Description

KIO-301 chloride hydrochloride is an azobenzene photoswitchable compound that blocks voltage-gated ion channels, including hyperpolarization-activated cyclic nucleotide gating (HCN, during exposure to visible light) and voltage-gated potassium channels (voltage-gated potassium channels)^[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.

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