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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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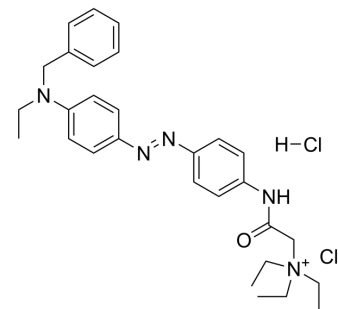
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KIO-301 chloride (hydrochloride)

| | |
|--------------------|--|
| 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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