

Product Data Sheet

Product Name: Iota-conotoxin RXIA TFA

Cat. No.: GC74411

Chemical Properties

Cas. No.

Formula $C_{212}H_{310}N_{54}O_{69}S_8 \cdot xC_2HF_3O_2$ M.Wt 4975.57 (free base)

Solubility H_2O : 50 mg/mL (Need ultrasonic) Storage

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

G-[Hyp]-SFCKADEK-[Hyp]-CEYHADCNCCLSGICA-[Hyp]-STNWILPGCSTSSF-[d-Phe]-KI
(Disulfide bridge: Cys5-Cys19; Cys12-Cys22; Cys18-Cys27; Cys21-Cys38) (TFA salt)

Background

Iota-conotoxin RXIA (TFA) is an agonist of voltage-gated sodium ion channels NaV1.2, 1.6 and 1.7^[1].

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

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References:

[1]. Fiedler B, et al. Specificity, affinity and efficacy of iota-conotoxin RXIA, an agonist of voltage-gated sodium channels Na(V)1.2, 1.6 and 1.7. *Biochem Pharmacol.* 2008 Jun 15;75(12):2334-44.

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