
Product Data Sheet

Product Name: ω -Agatoxin IVA (trifluoroacetate salt)

Cat. No.: GC45240

Chemical Properties

Cas. No.

Formula $C_{217}H_{360}N_{68}O_{60}S_{10} \cdot CF_3COOH$ M.Wt 5316.3

Solubility Water: 1 mg/ml Storage Store at $-20^{\circ}C$

General tips For obtaining a higher solubility, please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ 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

Background

ω -Agatoxin IVA is a natural peptide first isolated from the venom of funnel spiders. It selectively and irreversibly blocks P-type calcium channels ($IC_{50} < 1$ nM), high voltage-activated channels first discovered in Purkinje cells. ω -Agatoxin IVA also blocks N-type calcium channels at micromolar concentrations.

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

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