
Product Data Sheet

Product Name: Chlorotoxin (TFA)

Cat. No.: GC38498

Chemical Properties

Cas. No.

Formula $C_{160}H_{250}N_{53}O_{49}S_{11}$ M.Wt 4109.73

Solubility Soluble in DMSO Storage $-20^{\circ}C$, protect from light

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

Chlorotoxin TFA is a peptide isolated from the venom of the scorpion *Leiurus quinquestriatus*, acts as a chloride channel blocker[1]. Anti-cancer activity[2].

[1]. DeBin JA, et al. Purification and characterization of chlorotoxin, a chloride channel ligand from the venom of the scorpion. *Am J Physiol.* 1993 Feb;264(2 Pt 1):C361-9. [2]. Ojeda PG, et al. Chlorotoxin: Structure, activity, and potential uses in cancer therapy. *Biopolymers.* 2016 Jan;106(1):25-36.

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

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