

Product Data Sheet

Product Name: Phrixotoxin-1 TFA

Cat. No.: GC72153

Chemical Properties

Cas. No.

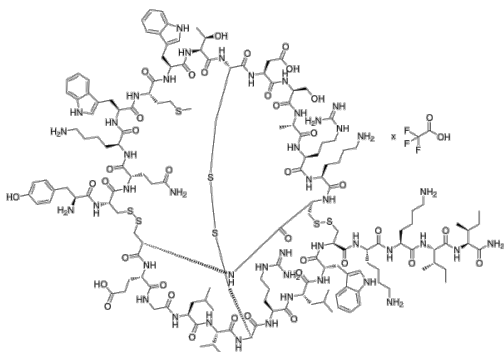
Formula $C_{156}H_{240}N_{44}O_{37}S_7 \cdot xC_2HF_3O_2$ M.Wt 3548.30 (free base)

Solubility $H_2O : \geq 100 \text{ mg/mL}$ Storage Sealed storage, away from moisture and light

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



Background

Phrixotoxin-1 (TFA), from the venom of the theraphosid spider *Phrixotrichus auratus*, is a specific peptide inhibitor of Kv4 potassium channel.

References:

[1]. Benjamin Chagot, et al. Solution structure of Phrixotoxin 1, a specific peptide inhibitor of Kv4 potassium channels from the venom of the theraphosid spider *Phrixotrichus auratus*. Protein Sci. 2004, 13, 5.

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

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[2]. Grit Schaarschmidt, et al. Characterization of Voltage-Gated Potassium Channels in Human Neural Progenitor Cells. PLoS One. 2009, 4, 7.

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