**GaTx1**

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<th><strong>Product name</strong></th>
<th>GaTx1</th>
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<td><strong>Catalog #</strong></td>
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**Product description**

GaTx1 peptide was originally isolated from the venom of Leiurus quinquestriatus hebraeus. This peptide is a potent and selective inhibitor of CFTR, an anion selective channel belonging to the ABC transporter superfamily. It was shown to block CFTR channels in a state dependent manner by acting from the internal face of the channel and it is supposed to be a non competitive inhibitor of ATP-dependent channel gating. GaTx1 is a valuable tool to explore CFTR structure function. This peptide is sold under license from Georgia Tech Research Corporation.

**Product specifications**

- **AA sequence:** CGPFCDDHQMEQKCAECGGGIGKCYGPQCLCNK-NH₂
- **Disulfide bonds:** Cys¹-Cys₁⁸, Cys⁴-Cys²⁵, Cys¹⁵-Cys³⁰ and Cys¹⁹-Cys³²
- **Length (aa):** 34
- **Formula:** C₁₄₇H₂₂₄N₄₆O₄₇S₉
- **Molecular Weight:** 3674.20 Da
- **Appearance:** White lyophilized solid
- **Solubility (recommendations):** water or saline buffer, 5 mg/mL maximum
- **CAS number:** not available
- **Source:** Synthetic
- **Counterion:** TFA salts

**Formulation**

- **Storage/Stability:** Shipped at ambient temperature under lyophilized powder. Store at -20°C (-4°F). Do not freeze-thaw. Aliquot sample if required and store at -80°C (-112°F).
- **Expiration date:** One year
- **Use restrictions:** For laboratory use only. Not for drug, household or other uses. Not for use in diagnostic or therapeutic procedures.

**Related products:**

- GaTx2: a highly potent and selective blocker of CIC2 channel
- Chlorotoxin: blocker of chloride channels

**References**


For laboratory research use only