

## GaTx1

<b>Product name :</b> GaTx1	<b>Synonyms :</b>
<b>Catalog # :</b> 13GTX001	
<b>Product description</b> <p>GaTx1 peptide was originally isolated from the venom of <i>Leiurus quinquestriatus hebraeus</i>. 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.</p>	
<b>Product specifications</b> <p><b>AA sequence:</b> CGPCFTTDHQMEQKCAECCGGIGKCYGPQCLCNR-NH<sub>2</sub>  <b>Disulfide bonds:</b> Cys<sup>1</sup>-Cys<sup>18</sup>, Cys<sup>4</sup>-Cys<sup>25</sup>, Cys<sup>15</sup>-Cys<sup>30</sup> and Cys<sup>19</sup>-Cys<sup>32</sup>  <b>Length (aa):</b> 34  <b>Formula:</b> C<sub>147</sub>H<sub>224</sub>N<sub>46</sub>O<sub>47</sub>S<sub>9</sub>  <b>Molecular Weight:</b> 3674.20 Da  <b>Appearance:</b> White lyophilized solid  <b>Solubility (recommendations):</b> water or saline buffer, 5 mg/mL maximum  <b>CAS number:</b> not available  <b>Source:</b> Synthetic  <b>Counterion:</b> TFA salts</p>	
<b>Formulation</b> <p><b>Storage/Stability:</b> 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).  <b>Expiry date:</b> One year  <b>Use restrictions:</b> For laboratory use only. Not for drug, household or other uses. Not for use in diagnostic or therapeutic procedures.</p>	
<b>Related products:</b> <ul style="list-style-type: none"> <li>• GaTx2: a highly potent and selective blocker of ClC2 channel</li> <li>• Chlorotoxin: blocker of chloride channels</li> </ul>	
<b>References</b> <ul style="list-style-type: none"> <li>• Matthew D. Fuller, <i>et al.</i> (2007) State-dependent inhibition of cystic fibrosis transmembrane conductance regulator chloride channels by a novel. <i>J. Biol. Chem.</i></li> <li>• Nael McCarty, <i>et al.</i> (2012) ABC transporter ligand GATX1, <i>US patent 8,106,013</i></li> </ul>	

For laboratory research use only