

## α-Conotoxin LtIA

<b>Cat. No.:</b>	HY-P5841
<b>Molecular Formula:</b>	C <sub>62</sub> H <sub>101</sub> N <sub>23</sub> O <sub>19</sub> S <sub>4</sub>
<b>Molecular Weight:</b>	1600.87
<b>Sequence:</b>	Gly-Cys-Cys-Ala-Arg-Ala-Ala-Cys-Ala-Gly-Ile-His-Gln-Glu-Leu-Cys-NH <sub>2</sub> (Disulfide bridge: Cys2-Cys8, Cys3-Cys16)
<b>Sequence Shortening:</b>	GCCARAACAGIHQELC-NH <sub>2</sub> (Disulfide bridge: Cys2-Cys8, Cys3-Cys16)
<b>Target:</b>	Liposome
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

<b>Description</b>	α-Conotoxin LtIA is an α3β2 nAChR blocker (IC <sub>50</sub> =9.8 nM), that can be obtained from Conus litteratus venom. Alpha-Conotoxin LtIA can be used in the study of neurological diseases (such as Parkinson's disease, pain) <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	IC <sub>50</sub> : 9.8 nM (α3β2 nAChR)

### REFERENCES

[1]. Luo S, et al. Atypical alpha-conotoxin LtIA from Conus litteratus targets a novel microsite of the alpha3beta2 nicotinic receptor. J Biol Chem. 2010 Apr 16;285(16):12355-66.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA