

## Phrixotoxin 2

|                             |   |
|-----------------------------|---|
| <b>Cat. No.:</b>            | HY-P2786A   |
| <b>CAS No.:</b>             | 741738-57-8   |
| <b>Molecular Formula:</b>   | C <sub>169</sub> H <sub>259</sub> N <sub>49</sub> O <sub>43</sub> S <sub>8</sub>  |
| <b>Molecular Weight:</b>    | 3921.69   |
| <b>Sequence:</b>            | Tyr-Cys-Gln-Lys-Trp-Met-Trp-Thr-Cys-Asp-Glu-Glu-Arg-Lys-Cys-Cys-Glu-Gly-Leu-Val-Cys-Arg-Leu-Trp-Cys-Lys-Arg-Ile-Ile-Asn-Met-NH <sub>2</sub> (Disulfide Bridge: Cys2-Cys16, Cys9-Cys21, Cys15-Cys25) |
| <b>Sequence Shortening:</b> | YCQKWMWTCDEERKCCCEGLVCRLWCKRIINM-NH <sub>2</sub> (Disulfide Bridge: Cys2-Cys16, Cys9-Cys21, Cys15-Cys25)  |
| <b>Target:</b>              | Potassium Channel   |
| <b>Pathway:</b>             | Membrane Transporter/Ion Channel  |
| <b>Storage:</b>             | Please store the product under the recommended conditions in the Certificate of Analysis.   |

### BIOLOGICAL ACTIVITY

#### Description

Phrixotoxin 2 is a highly selective KV<sub>4.2</sub> and KV<sub>4.3</sub>-channels blocker<sup>[1]</sup>.

### REFERENCES

[1]. M. Gostimirovic, et al. Involvement of phrixotoxin-2 sensitive KV4 family of potassium channels in the relaxation mediated by resveratrol in human saphenous vein from diabetic patients. Abstracts / Atherosclerosis 331 (2021) e56ee293.

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

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