

## Product datasheet

# SNX 482, R-Type Ca<sup>2+</sup> (Cav2.3) channel blocker ab120259

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### Overview

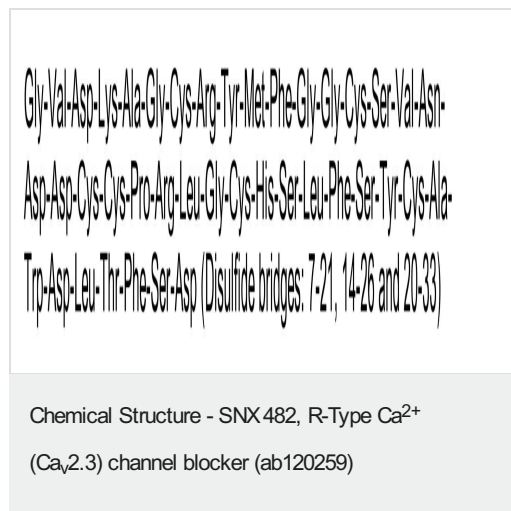
<b>Product name</b>	SNX 482, R-Type Ca <sup>2+</sup> (Cav2.3) channel blocker
<b>Description</b>	R-Type Ca <sup>2+</sup> (Ca <sub>v</sub> 2.3) channel blocker
<b>Biological description</b>	Peptide toxin that naturally occurs in the venom of the spider <i>Hysterocrates gigas</i> . Selectively blocks Ca <sub>v</sub> 2.3 (α1E, R-type) channels in a voltage dependent manner (IC <sub>50</sub> = 15-30 nM). At higher concentrations, also blocks Ca <sub>v</sub> 2.1 channels in chromaffin cells.
<b>Purity</b>	> 97%
<b>CAS Number</b>	203460-30-4
<b>Chemical structure</b>	Gly-Val-Asp-Lys-Ala-Gly-Cys-Arg-Tyr-Met-Phe-Gly-Gly-Cys-Ser-Val-Asn-Asp-Asp-Cys-Cys-Pro-Arg-Leu-Gly-Cys-His-Ser-Leu-Phe-Ser-Tyr-Cys-Ala-Trp-Asp-Leu-Thr-Phe-Ser-Asp (Disulfide bridges: 7-21, 14-26 and 20-33)

### Properties

<b>Molecular weight</b>	4495.01
<b>Molecular formula</b>	C <sub>192</sub> H <sub>274</sub> N <sub>52</sub> O <sub>60</sub> S <sub>7</sub>
<b>Sequence</b>	GVDKAGCRYMFGGCSVNDDCCPRLGCHSLFSYCAWDLTFSD (Modifications: Disulfide bonds: 7-21, 14-26, 20-33)
<b>PubChem identifier</b>	90488787
<b>Storage instructions</b>	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in 0.1% NH <sub>4</sub> OH
<b>Handling</b>	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one week. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.</p>
<b>Source</b>	Synthetic

## Images

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2D chemical structure image of ab120259, SNX 482, R-Type Ca<sup>2+</sup>  
(Cav2.3) channel blocker

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