

Product datasheet

SNX 482, R-Type Ca²⁺ (Ca_v2.3) channel blocker
ab120259

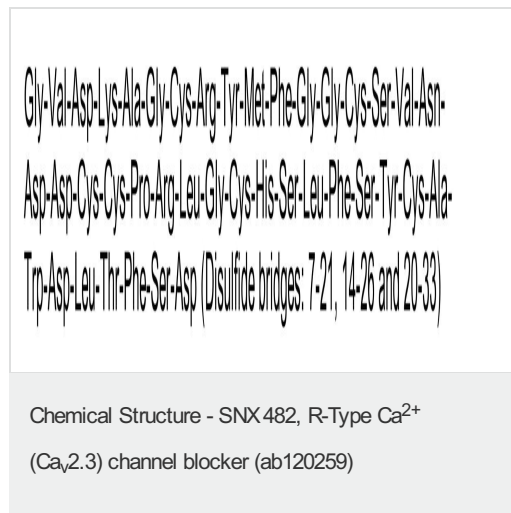
3 References 1 Image

Overview

Product name	SNX 482, R-Type Ca ²⁺ (Ca _v 2.3) channel blocker
Description	R-Type Ca ²⁺ (Ca _v 2.3) channel blocker
Biological description	Peptide toxin that naturally occurs in the venom of the spider <i>Hysteroocrates gigas</i> . Selectively blocks Ca _v 2.3 (α1E, R-type) channels in a voltage dependent manner (IC ₅₀ = 15-30 nM). At higher concentrations, also blocks Ca _v 2.1 channels in chromaffin cells.
CAS Number	203460-30-4
Chemical structure	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

Molecular weight	4495.01
Molecular formula	C ₁₉₂ H ₂₇₄ N ₅₂ O ₆₀ S ₇
Sequence	GVDKAGCRYMFGGCSVNDCCPRLGCHSLFSYCAWDLTFSD (Modifications: Disulfide bonds: 7-21, 14-26, 20-33)
PubChem identifier	90488787
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in 0.1% NH ₄ OH
Handling	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. Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.
Source	Synthetic



2D chemical structure image of ab120259, SNX 482, R-Type Ca²⁺
(Cav2.3) channel blocker

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