

Iberitoxin, high-conductance K⁺ channel blocker ab120379

6 References [画像数 2](#)

製品の概要

製品名	Iberitoxin, high-conductance K ⁺ channel blocker
製品の詳細	Selective blocker of the high-conductance, Ca ²⁺ -activated K ⁺ channel
生理活性の詳細	Selective blocker of the high-conductance, Ca ²⁺ -activated K ⁺ channel. Originally isolated from the scorpion <i>Mesobuthus tamulus</i> . Specifically blocks K _{Ca} 1.1 (Slo) channels (K _i approx. 1 nM).
CAS 番号	129203-60-7
構造式	Glp-Phe-Thr-Asp-Val-Asp-Cys-Ser-Val-Ser-Lys-Glu-Cys-Trp-Ser-Val-Cys-Lys-Asp-Leu-Phe-Gly-Val-Asp-Arg-Gly-Lys-Cys-Met-Gly-Lys-Lys-Cys-Arg-Cys-Tyr-Gln (Disulfide bridges: 7-28, 13-33 and 17-35)

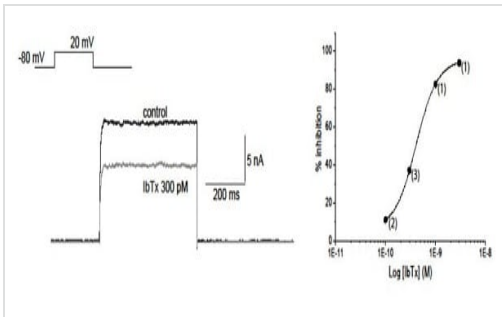
製品の特性

分子量	4230.86
分子式	C ₁₇₉ H ₂₇₄ N ₅₀ O ₅₅ S ₇
配列	XFTDVDCSVSKECWSVCKDLFGVDRGKCMGKKCRCYQ (Modifications: X-1 = Glp; Disulfide bonds: 7-28, 13-33, 17-35)
PubChem 登録番号	16132435
保存方法	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解性	Soluble in water
使用に関する注意	<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>Toxic, refer to SDS for further information.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>
由来	Synthetic

Glp-Phe-Thr-Asp-Val-Asp-Cys-Ser-Val-Ser-Lys-Glu-Cys-Trp-Ser-Val-Cys-
Lys-Asp-Leu-Phe-Gly-Val-Asp-Arg-Gly-Lys-Cys-Met-Gly-Lys-Lys-Cys-Arg-
Cys-Tyr-Gln (Disulfide bridges: 7-28, 13-33 and 17-35)

Chemical Structure - Iberitoxin, high-conductance
K⁺ channel blocker (ab120379)

2D chemical structure image of ab120379, Iberitoxin, high-conductance K⁺ channel blocker



Functional Studies - Iberitoxin, high-conductance
K⁺ channel blocker (ab120379)

HEK293 cells plated for 48 hours and then transfected with rat Slo27 for 24 hours. Currents from whole-cell recordings, with 1 μ M Ca²⁺ in the electrode solution. Cells voltage-clamped at -80 mV, with currents activated by 500 ms depolarization to +20 mV. Concentration-inhibition relationship produces an IC₅₀ of 412 pM. (Number of experimental determinations shown in brackets).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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