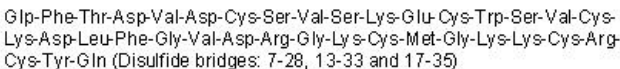


# Iberitoxin, high-conductance K<sup>+</sup> channel blocker ab120379

[6 References](#) [2 图像](#)

### 概述

产品名称	Iberitoxin, high-conductance K <sup>+</sup> channel blocker
描述	Selective blocker of the high-conductance, Ca <sup>2+</sup> -activated K <sup>+</sup> channel
生物学描述	Selective blocker of the high-conductance, Ca <sup>2+</sup> -activated K <sup>+</sup> channel. Originally isolated from the scorpion <i>Mesobuthus tamulus</i> . Specifically blocks K <sub>Ca</sub> 1.1 (Slo) channels (K <sub>i</sub> approx. 1 nM).
CAS编号	129203-60-7
化学结构	 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)

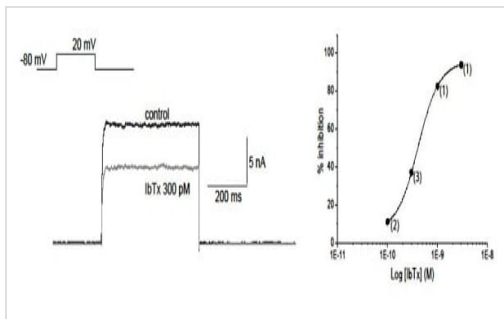
### 性能

分子量	4230.86
分子式	C <sub>179</sub> H <sub>274</sub> N <sub>50</sub> O <sub>55</sub> S <sub>7</sub>
序列	XFTDVDCSVSKECWSVCKDLFGVDRGKCMGKKCRQYQ (Modifications: X-1 = Glp; Disulfide bonds: 7-28, 13-33, 17-35)
PubChem识别号	16132435
存放说明	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解度概述	Soluble in water
处理	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.  Toxic, refer to SDS for further information.  Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.
来源	Synthetic

Gln-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<sup>+</sup> channel blocker (ab120379)

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



Functional Studies - Iberitoxin, high-conductance  
K<sup>+</sup> 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  $\mu$ M Ca<sup>2+</sup> 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 IC<sub>50</sub> 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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