

Product datasheet

ADWX-1, K_v1.3 channel blocker ab145529

1 Image

Overview

Product name	ADWX-1, K _v 1.3 channel blocker
Description	Highly potent, selective K _v 1.3 channel blocker
Biological description	Highly potent, selective K _v 1.3 channel blocker (IC ₅₀ values = 0.0019 nM and 0.65 nM for K _v 1.3 and K _v 1.1, respectively). Inhibits CD4 ⁺ CCR7- T cell activation. Shows immunomodulatory effects <i>in vivo</i> .
Purity	> 98%
Chemical structure	Val-Gly-Ile-Asn-Val-Lys-Cys-Lys-His-Ser-Arg-Gln-Cys-Leu-Lys-Pro-Cys-Lys-Asp-Ala-Gly-Met-Arg-Phe-Gly-Lys-Cys-Thr-Asn-Gly-Lys-Cys-His-Cys-Thr-Pro-Lys (Disulfide bridges 7-27, 13-32 and 17-34)

Properties

Molecular weight	4071.85
Molecular formula	C ₁₆₉ H ₂₈₁ N ₅₇ O ₄₆ S ₇
Sequence	VGINVKCKHSRQCLKPCKDAGMRFKCTNGKCHCTPK (Modifications: Disulfide bonds: 7-27, 13-32, 17-34)
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
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

Images

Val-Gly-Ile-Asn-Val-Lys-Cys-Lys-His-Ser-Arg-Gln-Cys-Leu-Lys-Pro-Cys-Lys-Asp-Ala-Gly-Met-Arg-Phe-Gly-Lys-Cys-Thr-Asn-Gly-Lys-Cys-His-Cys-Thr-Pro-Lys (Disulfide bridges 7-27, 13-32 and 17-34)

Chemical Structure - ADWX-1, K_v1.3 channel blocker (ab145529)

2D chemical structure image of ab145529, ADWX-1, KV1.3 channel blocker

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

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