

Product datasheet

Penitrem A, blocker of KCa1.1 ab141842

1 Image

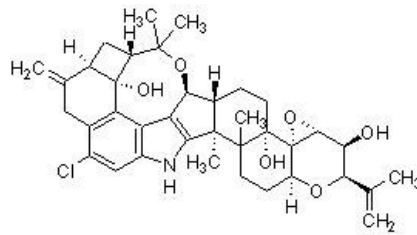
Overview

Product name	Penitrem A, blocker of KCa1.1
Description	Selective blocker of KCa1.1
Biological description	Potent, selective BK _{Ca} blocker (IC ₅₀ values are 6 and 60 nM for α-subunit and mixed α- and β ₁ -subunit containing channels respectively). No effect on native delayed rectifier K ⁺ currents, cloned voltage-dependent K _{V1.5} channels, or K _{ATP} currents. Inhibits BK channels in inside-out and cell-attached patches. Tremorgenic effects and increases total peripheral resistance <i>in vivo</i> . Orally active.

Purity > 98%

CAS Number 12627-35-9

Chemical structure



Properties

Chemical name	(2R,3S,3aR,4aS,4bS,6aR,7S,7dR,8R,9a-,14bS,14cR,16aS)-12-Chloro-3,3a,6a,8,9,9a,10,11,14-,14b,14c,15,16,16a-tetradecahydro-14b,14c,17,17-te-tramethyl-10-methylene-2-(1-methylethenyl)-7,8-(ep-oxymethano)-2H,6H-cyclobuta[5,6]benz[1,2-e]oxireno-[4',4'a]-1-benzopyrano[5',6':6,7]indeno[1,2-b]indole-3-,4b,7d(5H,7H)-triol
Molecular weight	634.20
Molecular formula	C ₃₇ H ₄₄ ClNO ₆
PubChem identifier	44450809
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO to 10 mM
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 month. 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 [frequently asked questions \(FAQ\) page](#) for more details.

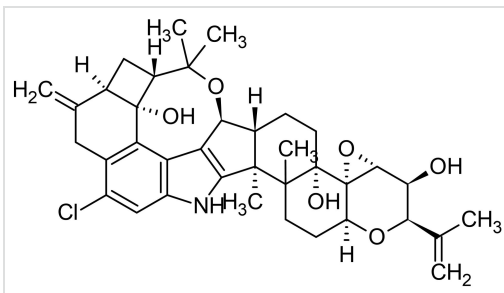
SMILES

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Source

Penicillium palitans

Images



2D chemical structure image of ab141842, Penitrem A, blocker of KCa1.1

Chemical Structure - Penitrem A, blocker of KCa1.1
(ab141842)

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