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
Purity: > 98%
CAS Number: 12627-35-9
Chemical structure:

![Chemical structure diagram]

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-benzopyran[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**

CC(=C)C1C(C2C3(O2)C(O1)CCC4(C3(CCC5C4(C6=C7C5OC(C8CC9C8(C1=C7C(=C(CCC9)=C)Cl)N6)O)(C)C)C)O)C)O

**Source**

*Penicillium palitans*

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**Images**

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

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

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