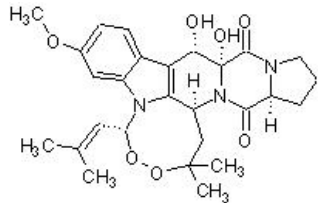


Product datasheet

Verruculogen,  $K_{Ca}1.1$  channel blocker ab141889

Overview

<b>Product name</b>	Verruculogen, $K_{Ca}1.1$ channel blocker
<b>Description</b>	Selective $K_{Ca}1.1$ channel blocker
<b>Biological description</b>	Selective $K_{Ca}1.1$ channel blocker. Lipid soluble and structurally similar to Penitrem A ( <a href="#">ab141842</a> ). Inhibits early $Ca^{2+}$ -dependent $K^+$ current similar to Iberiotoxin ( <a href="#">ab120379</a> ). Tremorogenic effects <i>in vivo</i> .
<b>Purity</b>	> 98%
<b>CAS Number</b>	12771-72-1
<b>Chemical structure</b>	

Properties

<b>Chemical name</b>	(5 <i>R</i> ,10 <i>S</i> ,10 <i>aR</i> ,14 <i>aS</i> ,15 <i>bS</i> )-1,10,10 <i>a</i> ,14,14 <i>a</i> ,15 <i>b</i> -Hexahydro-10,10 <i>a</i> -dihydroxy-7-methoxy-2,2-dimethyl-5-(2-methyl-1-propenyl)-5 <i>H</i> ,12 <i>H</i> -3,4-dioxa-5 <i>a</i> ,11 <i>a</i> ,15 <i>a</i> -triazacyclooct( <i>lm</i> )indeno(5,6- <i>b</i> )fluorene-11,15(2 <i>H</i> ,13 <i>H</i> )-dione,
<b>Molecular weight</b>	511.23
<b>Molecular formula</b>	$C_{27}H_{33}N_3O_7$
<b>PubChem identifier</b>	104862
<b>Storage instructions</b>	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in DMSO and in ethanol
<b>Handling</b>	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(=CC1N2C3=C(C=CC(=C3)OC)C4=C2C(CC(OO1(C)C)N5C(=O)C6CCCN6C(=O)C5(C4O)O)C

**Source**

*Aspergillus fumigatus*

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

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- Response to your inquiry within 24 hours
  
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