

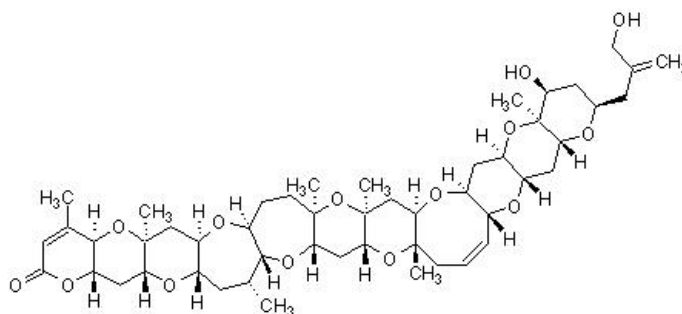
Product datasheet

Brevetoxin 3 (PbTx-3), voltage-gated Na<sup>+</sup> channel activator ab143470

1 Image

Overview

<b>Product name</b>	Brevetoxin 3 (PbTx-3), voltage-gated Na <sup>+</sup> channel activator
<b>Description</b>	Potent allosteric voltage-gated Na <sup>+</sup> channel activator
<b>Biological description</b>	Potent allosteric voltage-gated Na <sup>+</sup> channel activator. Binds to site 5 of Na <sub>v</sub> channels. Inhibits Na <sup>+</sup> channel inactivation, shifts the activation curve and increases the open-channel probability. Induces pulmonary inflammation <i>in vivo</i> . Orally active.
<b>Purity</b>	> 95%
<b>CAS Number</b>	85079-48-7
<b>Chemical structure</b>	



Properties

<b>Chemical name</b>	42-Deoxy-42-hydroxybrevetoxin B
<b>Molecular weight</b>	897.20
<b>Molecular formula</b>	C <sub>50</sub> H <sub>72</sub> O <sub>14</sub>
<b>PubChem identifier</b>	5353448
<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 water 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.

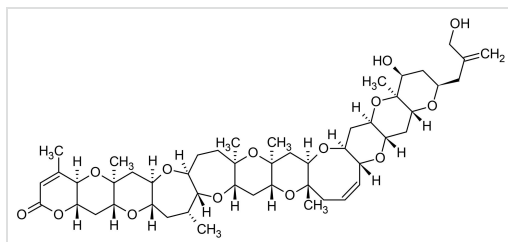
## SMILES

```
CC1CC2C(CC3(C(O2)CC4C(O3)C(=CC(=O)O4)C)C)OC5C1OC6CC7C(CC8C(O7)
(CC=CC9C(O8)CC1C(O9)CC2C(O1)(C(CC(O2)CC(=C)CO)O)C)C)(OC6(CC5)C)C
```

## Source

*Ptychodiscus brevis*

## Images



Chemical Structure - Brevetoxin 3 (PbTx-3), voltage-gated Na<sup>+</sup> channel activator (ab143470)

2D chemical structure image of ab143470, Brevetoxin 3 (PbTx-3), voltage-gated Na<sup>+</sup> channel activator

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

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