



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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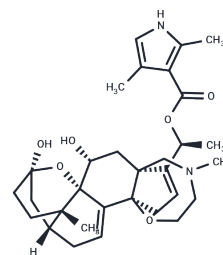
[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Batrachotoxin

## Chemical Properties

|                   |                                                               |
|-------------------|---------------------------------------------------------------|
| CAS No. :         | 23509-16-2                                                    |
| Formula:          | C <sub>31</sub> H <sub>42</sub> N <sub>2</sub> O <sub>6</sub> |
| Molecular Weight: | 538.67                                                        |
| Appearance:       | no data available                                             |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year      |



## Biological Description

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | Batrachotoxin (BTX), a potent neurotoxin and cardiotoxin, is found in the skin of the Colombian dart frog ( <i>Phylllobates aurotaenia</i> ). As an activator of sodium channels (sodium channel), it interferes with normal sodium channel closure by binding to voltage-gated sodium channels (sodium channel) on the cell membrane. This interaction causes a continuous influx of sodium ions into the cells, leading to persistent depolarization. |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.8564 mL | 9.2821 mL | 18.5642 mL |
| 5 mM  | 0.3713 mL | 1.8564 mL | 3.7128 mL  |
| 10 mM | 0.1856 mL | 0.9282 mL | 1.8564 mL  |
| 50 mM | 0.0371 mL | 0.1856 mL | 0.3713 mL  |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

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