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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

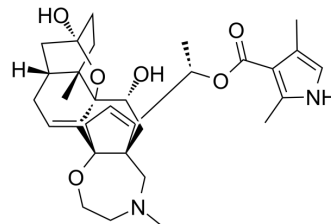
mail@szabo-scandic.com

www.szabo-scandic.com

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

Batrachotoxin

| | |
|--------------------|---|
| Cat. No.: | HY-12549 |
| CAS No.: | 23509-16-2 |
| Molecular Formula: | C ₃₁ H ₄₂ N ₂ O ₆ |
| Molecular Weight: | 538.67 |
| Target: | Sodium Channel |
| Pathway: | Membrane Transporter/Ion Channel |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

Description

Batrachotoxin (BTX) is a potent neurotoxin and cardiotoxin found in the skin of the Colombian poison dart frog (*Phylllobates aurotaenia*). Batrachotoxin is a sodium channel activator that interacts with voltage-gated sodium channels on the cell membrane, blocking the normal closure of sodium channels, causing a continuous influx of sodium ions into the cell, thereby causing a sustained depolarization of the cell^[1].

REFERENCES

[1]. Tokuyama, et al. Structure of batrachotoxin, a steroidal alkaloid from the Colombian arrow poison frog, *Phylllobates aurotaenia*, and partial synthesis of batrachotoxin and its analogs and homologs. *Journal of the American Chemical Society* 91.14 (1969): 3931-3938.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA