



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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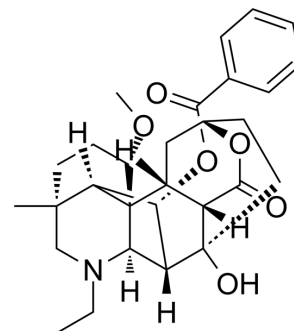
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## 6-Benzoylheteratisine

|                    |                                                                                                |
|--------------------|------------------------------------------------------------------------------------------------|
| Cat. No.:          | HY-N9404                                                                                       |
| CAS No.:           | 99759-48-5                                                                                     |
| Molecular Formula: | C <sub>29</sub> H <sub>37</sub> NO <sub>6</sub>                                                |
| Molecular Weight:  | 495.61                                                                                         |
| Target:            | Sodium Channel                                                                                 |
| Pathway:           | Membrane Transporter/Ion Channel                                                               |
| Storage:           | 4°C, protect from light<br>* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light) |



### BIOLOGICAL ACTIVITY

#### Description

6-Benzoylheteratisine is an Aconitum alkaloid with potential neuroprotective activity. 6-Benzoylheteratisine can antagonize tetrodotoxin, inhibit the increase of [Na<sup>+</sup>]<sub>i</sub>, [Ca<sup>2+</sup>]<sub>i</sub> and glutamate release, and block sodium channels. 6-Benzoylheteratisine has an inhibitory effect on the neuronal activity underlying epileptiform burst discharge<sup>[1][2]</sup>.

### REFERENCES

- [1]. Gutser UT, et al. The alkaloid 6-benzoylheteratisine inhibits voltage-gated Na<sup>+</sup> channels in rat brain synaptosomes. *Neuropharmacology*. 1998 Sep;37(9):1139-46.
- [2]. Ameri A. Effects of the alkaloids 6-benzoylheteratisine and heteratisine on neuronal activity in rat hippocampal slices. *Neuropharmacology*. 1997 Aug;36(8):1039-46.

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

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