



# 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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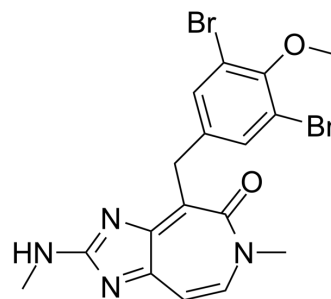
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## Ceratamine A

Cat. No.:	HY-N6997
CAS No.:	634151-15-8
Molecular Formula:	C <sub>17</sub> H <sub>16</sub> Br <sub>2</sub> N <sub>4</sub> O <sub>2</sub>
Molecular Weight:	468.14
Target:	Microtubule/Tubulin
Pathway:	Cell Cycle/DNA Damage; Cytoskeleton
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Ceratamine A is an antimitotic heterocyclic alkaloid isolated from the marine sponge *Pseudoceratina* sp., acts as a microtubule-stabilizing agent. Ceratamine A exhibits cytotoxicity against human cancer cell lines<sup>[1][2][3]</sup>.

### REFERENCES

- [1]. Manzo E, et al. Ceratamines A and B, antimitotic heterocyclic alkaloids isolated from the marine sponge *Pseudoceratina* sp. collected in Papua New Guinea. *Org Lett*. 2003 Nov 27;5(24):4591-4.
- [2]. Nodwell M, et al. Synthetic approaches to the microtubule-stabilizing sponge alkaloid ceratamine A and desbromo analogues. *J Org Chem*. 2009 Feb 6;74(3):995-1006.
- [3]. Pan X, et al. Synthesis and cytotoxicity of novel imidazo[4,5-d]azepine compounds derived from marine natural product ceratamine A. *Bioorg Med Chem Lett*. 2018 Mar 1;28(5):866-868.

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

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