



# 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

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## HC Toxin

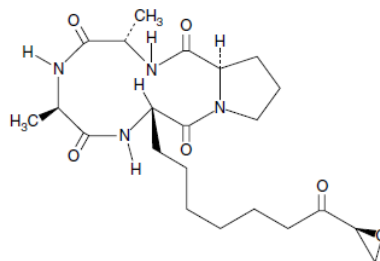
**Catalog #:** 27209

**Lot #:** 120529

**Size:** 500 µg

**Structure:**

**CAS Registry #:** 83209-65-8



**Purity:** ≥95%

**Chemical Formula:** C<sub>22</sub>H<sub>34</sub>N<sub>4</sub>O<sub>6</sub>

**Molecular Weight:** 450.5

**Description:** HC Toxin is a reversible, cell-permeable inhibitor of HDACs. It is a cyclic tetrapeptide first isolated from *C. carbonum*, a maize pathogen. It up-regulates the expression of 15-lipoxygenase-1 in colorectal cancer cells and has been shown to induce fetal hemoglobin in human primary erythroid cells.

**Appearance:** A crystalline solid

**Solubility:** Soluble in methanol, purged with an inert gas. Solubility in methanol is approximately 10 mg/ml. For organic solvent-free aqueous solutions, prepare by directly dissolving the crystalline compound in aqueous buffers. Do not store aqueous solutions for more than one day.

**Biological Activity:** HC Toxin inhibits HDACs with an IC<sub>50</sub> = 30 nM.

**Storage/Stability:** Store at or below -20°C for up to two years.

**Quality Control:** The purity was determined by HPLC analysis.

### References:

1. Brosch, G., *et al.*, *Plant Cell*. 1995; **7**: 1941-1950.
2. Darkin-Rattray, SJ, *et al.*, *Proc. Natl. Acad. Sci. USA*. 1996; **93(23)**: 13143-13147.
3. Kamitani, H., *et al.*, *Carconogenesis*. 2001; **22(1)**: 187-191.
4. Cao, H., *et al.*, *Am. J. Hematol*. 2006; **81**: 981-983.
5. Walton, JD., *Phytochemistry*. 2006; **67**: 1406-1413.