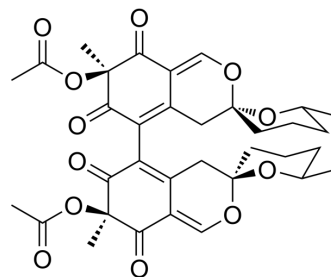


## Cochliodone A

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-115407   |
| CAS No.:           | 1072931-48-6  |
| Molecular Formula: | C <sub>34</sub> H <sub>38</sub> O <sub>12</sub>   |
| Molecular Weight:  | 638.66  |
| Target:            | Bacterial   |
| Pathway:           | Anti-infection  |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis. |



### BIOLOGICAL ACTIVITY

#### Description

Cochliodone A is an active compound extracted from cultures of the deep-sea derived fungus *Chaetomium* sp. and has antibacterial and anticancer activity. Cochliodone A is toxic to a variety of bacteria, with MICs of 15.3 µg/mL (*V. vulnificus*), 32.7 µg/mL (*V. rotiferianus*), 15.9 µg/mL (*S. aureus* ATCC 43300), and 16.3 µg/mL (*S. aureus* CGMCC 1.12409). Cochliodone A also inhibits a variety of cancer cell lines, with IC<sub>50</sub>s of 28.1 µM (A549), 20.7 µM (HeLa), and 23.2 µM (Hep G2)<sup>[1]</sup>.

### REFERENCES

[1]. Wang W, et al. Chlorinated Azaphilone Pigments with Antimicrobial and Cytotoxic Activities Isolated from the Deep Sea Derived Fungus *Chaetomium* sp. NA-S01-R1. *Mar Drugs*. 2018 Feb 13;16(2):61..

**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