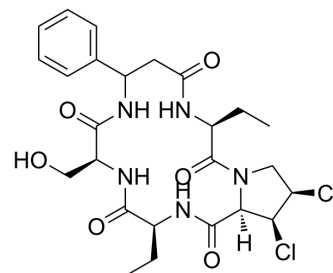


## Astin C

|                      |   |
|----------------------|---|
| Cat. No.:            | HY-P1680  |
| CAS No.:             | 148057-23-2   |
| Molecular Formula:   | C <sub>25</sub> H <sub>33</sub> Cl <sub>2</sub> N <sub>5</sub> O <sub>6</sub> |
| Molecular Weight:    | 570.47  |
| Sequence:            | Cyclo({Abu}-Pro-{Abu}-Ser-{Oaa})  |
| Sequence Shortening: | Cyclo({Abu}-P-{Abu}-S-{Oaa})  |
| Target:              | Others  |
| Pathway:             | Others  |
| Storage:             | Sealed storage, away from moisture  |
|                      | Powder    -80°C    2 years  |
|                      | -20°C    1 year   |



\* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (175.29 mM; Need ultrasonic)

| Preparing Stock Solutions | Solvent Concentration | Mass      |           |            |
|---------------------------|-----------------------|-----------|-----------|------------|
|                           |                       | 1 mg      | 5 mg      | 10 mg      |
|                           | 1 mM                  | 1.7529 mL | 8.7647 mL | 17.5294 mL |
|                           | 5 mM                  | 0.3506 mL | 1.7529 mL | 3.5059 mL  |
|                           | 10 mM                 | 0.1753 mL | 0.8765 mL | 1.7529 mL  |

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Astin C (Asterin) is a cyclic pentapeptide with anticancer and anti-inflammatory properties<sup>[1]</sup>.

### REFERENCES

[1]. Antoine Vassaux, et al. Astin C Production by the Endophytic Fungus *Cyanodermea asteris* in Planktonic and Immobilized Culture Conditions. *Biotechnol J.* 2019 Aug;14(8):e1800624.

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

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