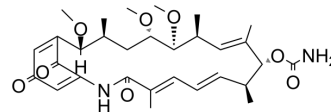


## Macbecin

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-107578   |
| CAS No.:           | 73341-72-7  |
| Molecular Formula: | C <sub>30</sub> H <sub>42</sub> N <sub>2</sub> O <sub>8</sub>                             |
| Molecular Weight:  | 558.66  |
| Target:            | HSP   |
| Pathway:           | Cell Cycle/DNA Damage; Metabolic Enzyme/Protease  |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis. |



### BIOLOGICAL ACTIVITY

|                           |   |                                    |
|---------------------------|---|------------------------------------|
| Description               | Macbecin is a stable HSP90 inhibitor by binding to the ATP-binding site with an IC <sub>50</sub> of 2 μM and a K <sub>d</sub> of 0.24 μM. Macbecin exhibits antitumor and cytotoxic activities <sup>[1]</sup> . |                                    |
| IC <sub>50</sub> & Target | HSP90<br>2 μM (IC <sub>50</sub> )   | HSP90<br>0.24 μM (K <sub>d</sub> ) |

### REFERENCES

[1]. Martin CJ, et al. Molecular characterization of macbecin as an Hsp90 inhibitor. J Med Chem. 2008 May 8;51(9):2853-7.

**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