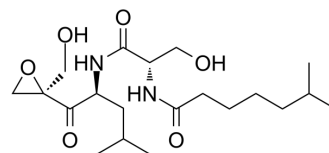


## Dihydroeponemycin

Cat. No.:	HY-108553
CAS No.:	126463-64-7
Molecular Formula:	C <sub>20</sub> H <sub>36</sub> N <sub>2</sub> O <sub>6</sub>
Molecular Weight:	400.51
Target:	Proteasome; Apoptosis
Pathway:	Metabolic Enzyme/Protease; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Dihydroeponemycin, an analogue of the antitumor and antiangiogenic natural product eponemycin, selectively targets the 20S proteasome. Dihydroeponemycin covalently modifies a subset of catalytic proteasomal subunits, binding preferentially to the IFN-gamma-inducible subunits LMP2 and LMP7. Dihydroeponemycin-mediated proteasome inhibition induces a spindle-like cellular morphological change and apoptosis<sup>[1]</sup>.

### REFERENCES

[1]. Meng L, et al. Eponemycin exerts its antitumor effect through the inhibition of proteasome function. *Cancer Res.* 1999;59(12):2798-2801.

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

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