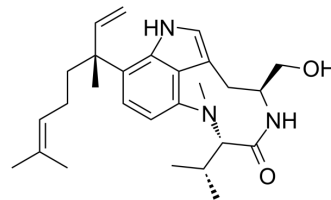


## Teleocidin A1

Cat. No.:	HY-118834
CAS No.:	70497-14-2
Molecular Formula:	C <sub>27</sub> H <sub>39</sub> N <sub>3</sub> O <sub>2</sub>
Molecular Weight:	437.62
Target:	PKC
Pathway:	Epigenetics; TGF-beta/Smad
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Teleocidin A1 (Lyngbyatoxin A), a highly toxic skin irritant, is a potent activator of protein kinase C (PKC). Teleocidin A1 shows antiproliferative activity against HeLa cancer cells (IC<sub>50</sub>=9.2 nM)<sup>[1][2]</sup>.

### REFERENCES

- [1]. Stafford RG, et al. Comparison of the partition coefficient and skin penetration of a marine algal toxin (lyngbyatoxin A). *Food Chem Toxicol.* 1992;30(9):795-801.
- [2]. Youssef DT, Shaala LA, Mohamed GA, et al. 2,3-seco-2,3-dioxo-lyngbyatoxin A from a Red Sea strain of the marine cyanobacterium *Moorea producens*. *Nat Prod Res.* 2015;29(8):703-709.

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

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