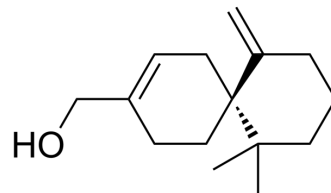


## Chamigrenol

Cat. No.:	HY-N10097
CAS No.:	19822-80-1
Molecular Formula:	C <sub>15</sub> H <sub>24</sub> O
Molecular Weight:	220.35
Target:	Na <sup>+</sup> /K <sup>+</sup> ATPase; Bacterial
Pathway:	Membrane Transporter/Ion Channel; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Chamigrenol is a Na<sup>+</sup>/K<sup>+</sup>-ATPase inhibitor with an IC<sub>50</sub> value of 15.9 µg/mL. Chamigrenol shows strong inhibitory activities against Gram-positive and Gram-negative bacteria except *Escherichia coli*, with MIC values of 50 µg/mL<sup>[1]</sup>.

### REFERENCES

[1]. Ikhoon Oh, et al. In vitro Na<sup>+</sup>/K<sup>+</sup>-ATPase inhibitory activity and antimicrobial activity of sesquiterpenes isolated from *Thujopsis dolabrata*. Arch Pharm Res. 2011 Dec;34(12):2141-7.

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

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