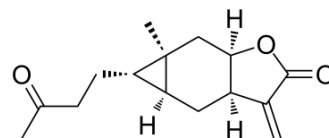


## Carabrone

Cat. No.:	HY-N5020
CAS No.:	1748-81-8
Molecular Formula:	C <sub>15</sub> H <sub>20</sub> O <sub>3</sub>
Molecular Weight:	248.32
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Carabrone is isolated from the fruits of <i>Carpesium abrotanoides</i> , is a well-known sesquiterpene and exhibits significant anti-bacterial and anti-tumor activities <sup>[1]</sup> . Carabrone exhibits antifungal activities in vitro and in vivo against <i>Botrytis cinerea</i> , <i>Colletotrichum lagenarium</i> (EC <sub>50</sub> =7.10 µg/mL) and <i>Erysiphe graminis</i> <sup>[2]</sup> .
IC <sub>50</sub> & Target	EC <sub>50</sub> : 7.10 µg/mL ( <i>Colletotrichum lagenarium</i> ) <sup>[1]</sup>

### REFERENCES

- [1]. Wang H, et al. Synthesis, antifungal activities and qualitative structure activity relationship of carabrone hydrazone derivatives as potential antifungal agents.
- [2]. Feng JT, et al. Synthesis and antifungal activity of carabrone derivatives. *Molecules*. 2010 Sep 16;15(9):6485-92.

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

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