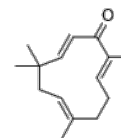


**Product Name** : Zerumbone  
**Cat. No.** : PC-22863  
**CAS No.** : 471-05-6  
**Molecular Formula** : C<sub>15</sub>H<sub>22</sub>O  
**Molecular Weight** : 218.34  
**Target** : Deubiquitinase (DUB)  
**Solubility** : 10 mM in DMSO



## Biological Activity

Zerumbone is a natural cyclic sesquiterpene and can be isolated from Zingiber zerumbet with anti-proliferative, anti-inflammation, anti-cancer, anti-bacterial and anti-mutagenic activity, binds to transgelin (TAGLN) and reduces the retention of USP1 in the cytoplasm and the degradation of ZEB1 ubiquitination.

Zerumbone inhibits proliferation of a wide variety of tumor cells, on the activity of Hsp90.

Zerumbone enhanced the ATPase activity of cyanobacterial Hsp90 (Hsp90SE), yeast Hsp90, and human Hsp90 $\alpha$ .

Zerumbone reduces proliferation of HCT116 colon cancer cells by inhibition of TNF- $\alpha$ .

## References

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Nakamoto H, et al. Biochem J. 2018 Aug 16;475(15):2559-2576.

Singh SP, et al. Sci Rep. 2018 Mar 6;8(1):4090.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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