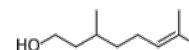


**Product Name** : Citronellol  
**Cat. No.** : PC-23024  
**CAS No.** : 106-22-9  
**Molecular Formula** : C<sub>10</sub>H<sub>20</sub>O  
**Molecular Weight** : 156.27  
**Target** : RIP kinase  
**Solubility** : 10 mM in DMSO



## Biological Activity

Citronellol is an orally active inducer of apoptosis and RIPK1 agonist. Citronellol prevents oxidative stress, mitochondrial dysfunction, and apoptosis in the SH-SY5Y cell Parkinson's disease model induced by 6-OHDA by regulating the ROS-NO, MAPK/ERK, and PI3K/Akt signaling pathways. Citronellol reduces the levels of LC-3 and p62 to regulate the autophagy pathway, inhibits oxidative stress and neuroinflammation, and thus have neuroprotective effects on Parkinson's rats. Citronellol exhibits anti-fungal activity against *Trichophyton rubrum* by inhibiting ergosterol synthesis.

## References

- Gong Q, et al. *Cell Commun Signal*. 2024 Sep 2;22(1):427.  
Munir S, et al. *Biomedicines*. 2023 Oct 18;11(10):2820.  
Shao J, et al. *Neurotox Res*. 2022 Dec;40(6):2221-2237

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

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