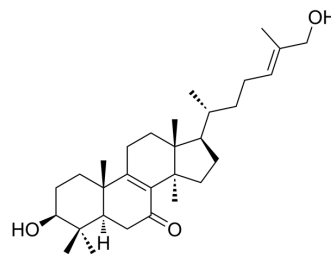


## Lucidadiol

<b>Cat. No.:</b>	HY-N7346
<b>CAS No.:</b>	252351-95-4
<b>Molecular Formula:</b>	C <sub>30</sub> H <sub>48</sub> O <sub>3</sub>
<b>Molecular Weight:</b>	456.7
<b>Target:</b>	Cholinesterase (ChE); HSV
<b>Pathway:</b>	Neuronal Signaling; Anti-infection
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Lucidadiol is a natural compound isolated from <i>Ganoderma lucidum</i> . Lucidadiol exhibits acetylcholinesterase-inhibitory activity, with IC <sub>50</sub> values of 31 μM. Lucidadiol shows antiviral activity against influenza virus type A and HSV type 1 <sup>[1][2]</sup> .	
<b>IC<sub>50</sub> &amp; Target</b>	AChE 31.03 μM (IC <sub>50</sub> )	BChE 156.27 μM (IC <sub>50</sub> )

### REFERENCES

- [1]. Iksoo Lee, et al. Selective cholinesterase inhibition by lanostane triterpenes from fruiting bodies of *Ganoderma lucidum*. *Bioorg Med Chem Lett*. 2011 Nov 1;21(21):6603-7.
- [2]. Lee I, et al. Selective cholinesterase inhibition by lanostane triterpenes from fruiting bodies of *Ganoderma lucidum* [published correction appears in *Bioorg Med Chem Lett*. 2013 Nov 15;23(22):6199-200]. *Bioorg Med Chem Lett*. 2011;21(21):6603-6607.
- [3]. Mothana RA, et al. Antiviral lanostanoid triterpenes from the fungus *Ganoderma pfeifferi*. *Fitoterapia*. 2003;74(1-2):177-180.

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

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