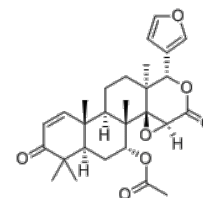


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<b>Product Name</b>	: Gedunin
<b>Cat. No.</b>	: PC-60607
<b>CAS No.</b>	: 2753-30-2
<b>Molecular Formula</b>	: C <sub>28</sub> H <sub>34</sub> O <sub>7</sub>
<b>Molecular Weight</b>	: 482.57
<b>Target</b>	: Heat Shock Protein (HSP)
<b>Solubility</b>	: 100 mM in DMSO



## Biological Activity

Gedunin is a natural tetranortriterpenoid compound that inhibits **Hsp90** and induce the degradation of Hsp90-dependent client proteins.

Gedunin displays antiproliferative activity in vitro with IC<sub>50</sub> of 3.22, 8.84 and 16.8 uM in SKBr3, MCF-7 and CaCo-2 cancer cell lines respectively.

Gedunin also shows potential **antimalarial** activity against *P. falciparum*.

## References

MacKinnon S, et al. *J Nat Prod.* 1997 Apr;60(4):336-41.

Brandt GE, et al. *J Med Chem.* 2008 Oct 23;51(20):6495-502.

Kamath SG, et al. *Int J Gynecol Cancer.* 2009 Dec;19(9):1564-9.

Olesen SH, et al. *Molecules.* 2015 Jan 19;20(1):1643-60.

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

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