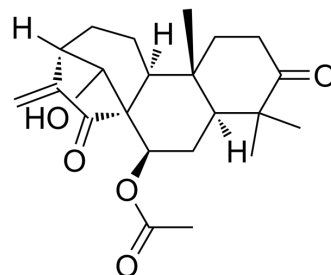


## Glaucocalyxin D

<b>Cat. No.:</b>	HY-N7205
<b>CAS No.:</b>	140671-02-9
<b>Molecular Formula:</b>	C <sub>22</sub> H <sub>30</sub> O <sub>5</sub>
<b>Molecular Weight:</b>	374.47
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Glaucocalyxin D is a ent-kauranoid-type diterpenoid that can be isolated from <i>Rabdosia japonica</i> . Glaucocalyxin D shows cytotoxicity against various human tumor cell lines. Glaucocalyxin D can be used for cancer research <sup>[1]</sup> .								
<b>In Vitro</b>	<p>Glaucocalyxin D (0-100 μM; 48 h) has strong cytotoxicity against four human tumor cell lines A549, CCRF-CEM, HCT116 and HL-60<sup>[1]</sup>.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Cell Cytotoxicity Assay<sup>[1]</sup></p> <table border="1"> <tr> <td>Cell Line:</td> <td>A549, CCRF-CEM, HCT116 and HL-60 cell lines</td> </tr> <tr> <td>Concentration:</td> <td>0-100 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>48 hours</td> </tr> <tr> <td>Result:</td> <td>Showed cytotoxicity against A549, HCT116, CCRF-CEM and HL-60 cells with IC<sub>50</sub> values of 7.7, 6.04, 2.70 and 3 μM, respectively.</td> </tr> </table>	Cell Line:	A549, CCRF-CEM, HCT116 and HL-60 cell lines	Concentration:	0-100 μM	Incubation Time:	48 hours	Result:	Showed cytotoxicity against A549, HCT116, CCRF-CEM and HL-60 cells with IC <sub>50</sub> values of 7.7, 6.04, 2.70 and 3 μM, respectively.
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### REFERENCES

[1]. Liu HC, et al. Monomeric and dimeric ent-kauranoid-type diterpenoids from *rabdosia japonica* and their cytotoxicity and anti-HBV activities. *Fitoterapia*. 2017 Apr;118:94-100.

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

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