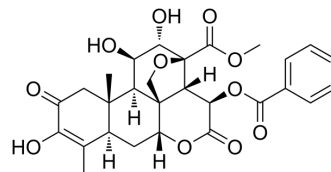


## Bruceantarin

Cat. No.:	HY-N10591
CAS No.:	41451-76-7
Molecular Formula:	C <sub>28</sub> H <sub>30</sub> O <sub>11</sub>
Molecular Weight:	542.53
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Bruceantarin is a potent antineoplastic agent. Bruceantarin can be used for leukemia and breast cancer research <sup>[1][2]</sup> .
<b>In Vitro</b>	Bruceantarin exhibits potent antineoplastic activity in both MCF-7 and MDA-MB-231 cells, with IC <sub>50</sub> values of 0.144 ± 0.039 μM and 0.238 ± 0.021, respectively <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Ye QM, et al. Isolation, chemotaxonomic significance and cytotoxic effects of quassinoids from *Brucea javanica*. *Fitoterapia*. 2015 Sep;105:66-72.
- [2]. Kupchan SM, et al. Bruceantin, a new potent antileukemic simaroubolide from *Brucea antidysenterica*. *J Org Chem*. 1973 Jan 12;38(1):178-9.

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

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