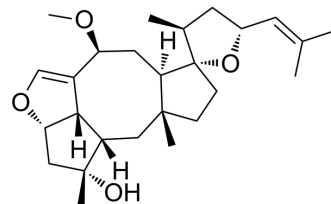


## Maydispenoid A

Cat. No.:	HY-N10445
Molecular Formula:	C <sub>26</sub> H <sub>40</sub> O <sub>4</sub>
Molecular Weight:	416.59
Target:	CD28; CD3
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Maydispenoid A is a potent immunosuppressor. Maydispenoid A can inhibit anti-CD3/anti-CD28 mAbs activated and lipopolysaccharide activated murine splenocyte proliferation <sup>[1]</sup> .
<b>In Vitro</b>	Maydispenoid A (compound 2) exhibits potential inhibitory activity in anti-CD3/anti-CD28 monoclonal antibodies (mAbs) stimulated murine splenocytes proliferation, with an IC <sub>50</sub> value of 5.28 μM, respectively <sup>[1]</sup> . Maydispenoid A suppresses the murine splenocytes proliferation activated by lipopolysaccharide (LPS), with an IC <sub>50</sub> value of 7.25 μM, respectively <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Duan X, et al. New secondary metabolites with immunosuppressive activity from the phytopathogenic fungus *Bipolaris maydis*. *Bioorg Chem.* 2020 Jun;99:103816.

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

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