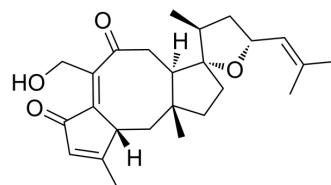


Maydispenoid B

Cat. No.:	HY-N10446
Molecular Formula:	C ₂₅ H ₃₄ O ₄
Molecular Weight:	398.54
Target:	CD28; CD3
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Maydispenoid B is a potent immunosuppressor. Maydispenoid B can inhibit anti-CD3/anti-CD28 mAbs activated and lipopolysaccharide activated murine splenocyte proliferation ^[1] .
In Vitro	Maydispenoid B (compound 3) exhibits potential inhibitory activity in anti-CD3/anti-CD28 monoclonal antibodies (mAbs) stimulated murine splenocytes proliferation, with an IC ₅₀ value of 9.38 μM, respectively ^[1] . Maydispenoid B suppresses the murine splenocytes proliferation activated by lipopolysaccharide (LPS), with an IC ₅₀ value of 16.82 μM, respectively ^[1] . 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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