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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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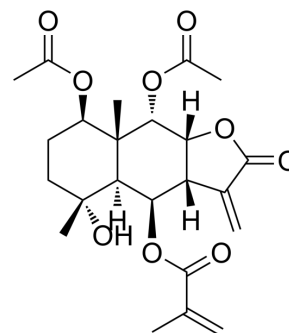
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6-O-Methacrylate

Cat. No.:	HY-N8521
CAS No.:	950685-51-5
Molecular Formula:	C ₂₃ H ₃₀ O ₉
Molecular Weight:	450.48
Target:	Parasite; TMV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	6-O-Methacrylate, a trilobolide, is isolated from the leaves of <i>Wedelia trilobata</i> . 6-O-Methacrylate displays marked antimalarial activity, with IC ₅₀ of 8.9 µg/mL against <i>P. falciparum</i> parasite. 6-O-Methacrylate also has anti-tobacco mosaic virus (TMV) activity ^{[1][2]} .
IC₅₀ & Target	Plasmodium
In Vitro	6-O-Methacrylate (10 µg/mL) shows anti-TMV activities in the pretreated tobacco plants with inhibition rate of 59.6% ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. That QT, et, al. Wedelolides A and B: novel sesquiterpene delta-lactones, (9R)-eudesman-9,12-olides, from *Wedelia trilobata*. *J Org Chem*. 2007 Sep 14;72(19):7102-5.
- [2]. Li Y, et, al. Eudesmanolides from *Wedelia trilobata* (L.) Hitchc. as potential inducers of plant systemic acquired resistance. *J Agric Food Chem*. 2013 Apr 24;61(16):3884-90.

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

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