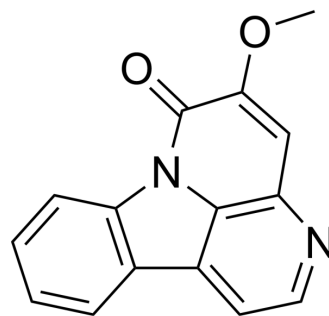


5-Methoxycanthin-6-one

Cat. No.:	HY-N9194
CAS No.:	15071-56-4
Molecular Formula:	C ₁₅ H ₁₀ N ₂ O ₂
Molecular Weight:	250.25
Target:	Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	5-Methoxycanthin-6-one is an orally active inhibitor of Leishmania strains. 5-Methoxycanthin-6-one shows cytotoxicity with an IC ₅₀ of 5.44 µg/mL against <i>Ailanthus altissima</i> cells ^{[1][2]} .
IC ₅₀ & Target	Leishmania

REFERENCES

[1]. Ferreira ME, et al. Leishmanicidal activity of two canthin-6-one alkaloids, two major constituents of *Zanthoxylum chiloperone* var. *angustifolium*. *J Ethnopharmacol.* 2002 May;80(2-3):199-202.

[2]. Anderson LA, et al. Production of cytotoxic canthin-6-one alkaloids by *Ailanthus altissima* plant cell cultures. *J Nat Prod.* 1983 May-Jun;46(3):374-8.

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

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