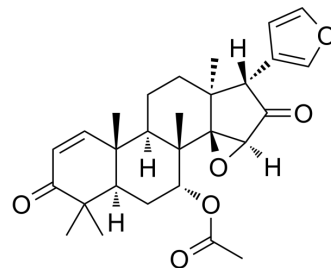


Epoxyzadiradione

Cat. No.:	HY-N10096		
CAS No.:	18385-59-6		
Molecular Formula:	C ₂₈ H ₃₄ O ₆		
Molecular Weight:	466.57		
Target:	Parasite		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	Epoxyzadiradione is a limonoid purified from neem (<i>Azadirachta indica</i>) fruits. Epoxyzadiradione inhibits the tautomerase activity of MIF of both human (huMIF) and malaria parasites (<i>Plasmodium falciparum</i> (PfMIF) and <i>Plasmodium yoelii</i> (PyMIF)) non-competitively in a reversible fashion (K_i , 2.11-5.23 μ M). Epoxyzadiradione has the potential against proinflammatory reactions induced by MIF of both malaria parasites and human ^[1] .
IC₅₀ & Target	Plasmodium

REFERENCES

[1]. Alam A, et al. Novel anti-inflammatory activity of epoxyzadiradione against macrophage migration inhibitory factor: inhibition of tautomerase and proinflammatory activities of macrophage migration inhibitory factor. *J Biol Chem.* 2012;287(29):24844-24861.

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

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