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Produktinformation



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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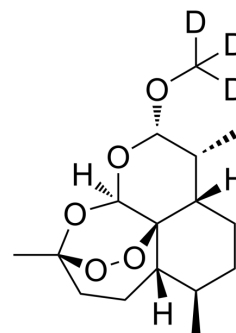
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Artemether-d₃

Cat. No.:	HY-N0402S		
CAS No.:	93787-85-0		
Molecular Formula:	C ₁₆ H ₂₃ D ₃ O ₅		
Molecular Weight:	301.39		
Target:	Parasite; Isotope-Labeled Compounds		
Pathway:	Anti-infection; Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	Artemether-d ₃ is the deuterium labeled Artemether. Artemether is an antimalarial for the treatment of resistant strains of falciparum malaria.
IC₅₀ & Target	Plasmodium
In Vitro	Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019;53(2):211-216.
- [2]. Xiao, S., et al., Recent investigations of artemether, a novel agent for the prevention of schistosomiasis japonica, mansoni and haematobia. *Acta Trop*, 2002. 82(2): p. 175-81.
- [3]. Wu, Z.P., et al., Inhibitive effect of artemether on tumor growth and angiogenesis in the rat C6 orthotopic brain gliomas model. *Integr Cancer Ther*, 2009. 8(1): p. 88-92.

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

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