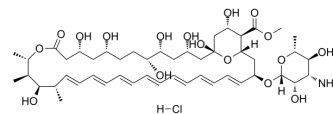


Amphotericin B methyl ester hydrochloride

Cat. No.:	HY-135327A
CAS No.:	35375-29-2
Molecular Formula:	C ₄₈ H ₇₆ ClNO ₁₇
Molecular Weight:	974.57
Target:	HIV; Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Amphotericin B methyl ester hydrochloride is the methyl ester derivative of the polyene antibiotic Amphotericin B (A634250). Amphotericin B methyl ester hydrochloride is the cholesterol-binding compound possesses significant antifungal activity. Amphotericin B methyl ester hydrochloride disrupts HIV-1 particle production and potently inhibits HIV-1 replication ^{[1][2]} .
In Vitro	Amphotericin B methyl ester hydrochloride inhibits HIV-1 particle production with no significant effect on Gag binding to the plasma membrane, Gag association with lipid rafts, or Gag multimerization ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Waheed AA, et al. Inhibition of human immunodeficiency virus type 1 assembly and release by the cholesterol-binding compound amphotericin B methyl ester: evidence for Vpu dependence. J Virol. 2008 Oct;82(19):9776-81.
- [2]. Keim GR, et al. Comparative toxicological studies of amphotericin B methyl ester and amphotericin B in mice, rats, and dogs. Antimicrob Agents Chemother. 1976 Oct;10(4):687-90.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA