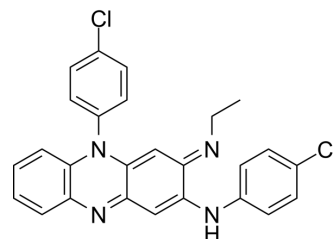


B 746

Cat. No.:	HY-113729
CAS No.:	103051-26-9
Molecular Formula:	C ₂₆ H ₂₀ Cl ₂ N ₄
Molecular Weight:	459.37
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	B746 is a clofazimine analog with anti-Mycobacterium avium complex (MAC) activity and is less effective when used with clofazimine or streptomycin ^[1] .
In Vitro	B746 (1, 3, 10 μM; 7 days) significantly inhibits the growth of mycobacteria ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	B746 (p.o.; 10, 20, 30 mg/kg; single dose; first day and 2, 4 and 6 weeks) inhibits Mycobacterial growth in spleen of beige mice [1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.
Animal Model:	beige mice
Dosage:	10, 20, 30 mg/kg
Administration:	p.o.; 10, 20, 30 mg/kg; single dose; first day and 2, 4 and 6 week after infection
Result:	Reduced Colony Forming Units (CFU) counts of Mycobacteria in spleen of beige mice.

REFERENCES

[1]. Gangadharam PR, et al. In vitro, in vivo, and intracellular chemotherapeutic activity of B746, a clofazimine analogue against Mycobacterium avium complex. Tuber Lung Dis. 1992 Aug;73(4):192-9.

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