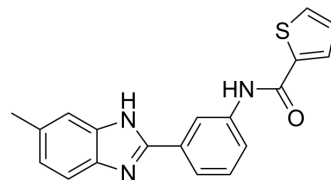


Chlamydia pneumoniae-IN-1

Cat. No.:	HY-153626
CAS No.:	518010-44-1
Molecular Formula:	C ₁₉ H ₁₅ N ₃ OS
Molecular Weight:	333.41
Target:	Bacterial; Antibiotic
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Chlamydia pneumoniae-IN-1 (compound 55), a benzimidazole, shows high activity against the bacterium. Chlamydia pneumoniae-IN-1 has 99% inhibition of C. pneumoniae Growth at 10 μM, and has 95% inhibition effect on the viability of the host cells at 10 μM. Chlamydia pneumoniae-IN-1 inhibits the growth of the CV-6 strain with a MIC of 12.6 μM. Chlamydia pneumoniae-IN-1 has antichlamydial efficiency^[1].

REFERENCES

[1]. Leena Keurulainen, et al. Design and synthesis of 2-arylbenzimidazoles and evaluation of their inhibitory effect against Chlamydia pneumoniae. J Med Chem. 2010 Nov 11;53(21):7664-74.

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