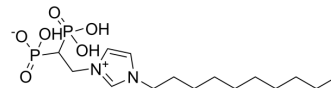


BPH-1218

Cat. No.:	HY-135625
CAS No.:	1426824-36-3
Molecular Formula:	C ₁₅ H ₃₀ N ₂ O ₆ P ₂
Molecular Weight:	396.36
Target:	Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	BPH-1218 is an inhibitor of squalene synthase (SQS), with the IC ₅₀ of 31 nM and 64 nM for TcSQS and HsSQS, respectively, that can be used as an anti-infective agent ^{[1][2][3]} .
IC ₅₀ & Target	0.17±0.04 μM (TgFPPS), 0.04±0.01 μM (TgCoq1) ^[1]

REFERENCES

- [1]. Melissa A Sleda, et al. The Heptaprenyl Diphosphate Synthase (Coq1) Is the Target of a Lipophilic Bisphosphonate That Protects Mice against Toxoplasma gondii Infection. *mBio*. 2022 Oct 26;13(5):e0196622.
- [2]. Na Shang, et al. Squalene Synthase As a Target for Chagas Disease Therapeutics. *PLoS Pathog*. 2014 May 1;10(5):e1004114.
- [3]. M J Barry, et al. Benign Prostatic Hyperplasia Specific Health Status Measures in Clinical Research: How Much Change in the American Urological Association Symptom Index and the Benign Prostatic Hyperplasia Impact Index is Perceptible to Patients? *J Urol*. 1995 Nov;154(5):1770-4.

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