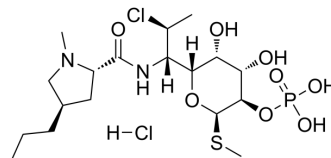


Clindamycin phosphate hydrochloride

Cat. No.:	HY-B1064A
CAS No.:	64023-51-4
Molecular Formula:	C ₁₈ H ₃₅ Cl ₂ N ₂ O ₈ PS
Molecular Weight:	541.42
Target:	Antibiotic; Bacterial; Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Clindamycin phosphate (Clindamycin 2-phosphate) hydrochloride is a broad-spectrum bacteriostatic lincosamide antibiotic. Clindamycin phosphate hydrochloride is the proagent of Clindamycin (HY-B1455) with no antimicrobial activity in vitro but can be rapidly converted in vivo to the active parent agent, Clindamycin, by phosphatase ester hydrolysis. Clindamycin phosphate hydrochloride can be used for researching acne and bacterial vaginosis ^{[1][2][3]} .
IC₅₀ & Target	Antibiotic, Bacterial ^{[1][3]}

CUSTOMER VALIDATION

- EBioMedicine. 2022 Apr;78:103943.

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REFERENCES

- [1]. Li H, et al. Clindamycin hydrochloride and clindamycin phosphate: two drugs or one? A retrospective analysis of a spontaneous reporting system. *Eur J Clin Pharmacol.* 2017 Feb;73(2):251-253.
- [2]. Hayashi N, et al. Clindamycin phosphate 1.2%/benzoyl peroxide 3% fixed-dose combination gel versus topical combination therapy of adapalene 0.1% gel and clindamycin phosphate 1.2% gel in the treatment of acne vulgaris in Japanese patients: A multicenter, randomized, investigator-blind, parallel-group study. *J Dermatol.* 2018 Aug;45(8):951-962.
- [3]. A. Dupre, et al. Proof of concept study of a novel bioadhesive clindamycin phosphate 2% vaginal gel to treat bacterial vaginosis. *Clin. Exp. Obstet. Gynecol.* 2020, 47(4), 516-518

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

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