



Clindamycin Hydrochloride

Belongs to lincosamide class and inhibits protein synthesis.

A strong lincosamide antibiotic used in microbiology, clindamycin hydrochloride powder works well against a range of bacterial strains.

It inhibits protein synthesis at the 50S ribosome level, which stops the growth of bacteria. Clindamycin is very effective against Gram-positive and anaerobic bacteria because of its focused action. Since more broad-spectrum antibiotics are now available, clindamycin is not regarded as a first-line option, even if some Gram-negative bacteria are sensitive.

Cat. Number	AS-2009
CAS Number	21462-39-5
Additional CAS	18323-44-9
Additional CAS	58207-19-5
MDL Number	MFCD07793327
PubChem	310270392
Molecular Weight	461.44 g/mol
Molecular Formula	C ₁₈ H ₃₄ Cl ₂ N ₂ O ₅ S
Storage Temperature	4°C
Form and Color	Powder to crystalline powder, white to off-white
Assay	≥ 800 µg/mg
pH (10% in water)	3 – 5.5
Water	3 – 6%
1H-NMR Spectrum	Corresponds to assigned structure.
Synonym	Cleocin; (7S)-7-Chloro-7-deoxylincomycin hydrochloride