



Vancomycin Hydrochloride

A tricyclic glycopeptide antibiotic active against gram-positive bacteria such as *staphylococci* and *streptococci*.

An effective antibiotic that is frequently used in microbiology is vancomycin hydrochloride powder. It works well against a variety of bacteria. It is derived from *Streptomyces orientalis* and binds to bacterial cell wall precursors to suppress the formation of cell walls.

In microbiology, it's essential for preparing selective culture media. These media inhibit undesirable bacteria.

It is also used by researchers in genetic engineering. To choose cells with integrated genetic constructs, they introduce it into cell cultures.

Cat. Number	AS-2025
CAS Number	1404-93-9
Additional CAS	1404-90-6
MDL Number	MFCD03613611
Molecular Weight	1485.71 g/mol
Molecular Formula	$C_{66}H_{75}Cl_2N_9O_{24}.HCl$
Storage Temperature	4°C
Form and Color	Powder, white to brown
potency	≥ 925 IU/mg
Heavy metals	≤ 30 ppm
Vancomycin B	$\geq 85\%$
monodechlorovancomycin	$\leq 4.7\%$
pH (5% in water)	2.5 – 4.5
Water content	Max. 5%
FT-IR Spectrum	Corresponds to reference spectrum.