

## Colistin Sulfate

Mostly effective against gram-negative bacteria

Colistin is mostly effective against gram-negative bacteria. Colistin interacts with outer membrane of gram-negative bacteria and disrupts it. Due to this disruption, lipopolysaccharides release.

Cat. Number	AS-2029
CAS Number	1264-72-8
MDL Number	MFCD00146495
Pubchem	310270455
Molecular Weight	1266.73 g/mol
Molecular Formula	$C_{53}H_{102}N_{16}O_{17}S$
Storage Temperature	+4°C
Form and Color	Powder to Crystalline powder / White to off-white to pale yellow
Purity (HPLC – sum of Polymyxins)	≥ 77%
Potency	≥ 19000 U/mg (dried basis)
pH (1% solution)	4 - 6
Sulphated Ash	≤ 1%
Water Content	≤ 15%
<sup>1</sup> H-NMR Spectrum	Corresponds to assigned spectrum
Synonym	Polymyxin E