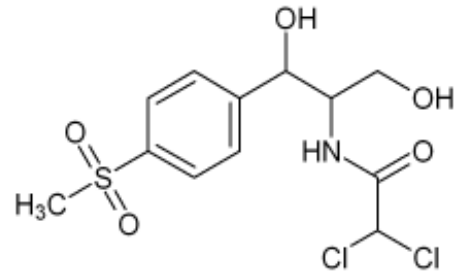


Product Data Sheet

Cat # ABT-320-05	Thiamphenicol (Pharma Grade)	Size: 5 g
Cat # ABT-320-25	Thiamphenicol (Pharma Grade)	Size: 25 g or Bulk

General Information

Thiamphenicol (also known as thiophenicol and dextrosulphenidol) is an antibiotic. It is the methyl-sulfonyl analogue of chloramphenicol and has a similar spectrum of activity, but is 2.5 to 5 times as potent. Like chloramphenicol, it is insoluble in water, but highly soluble in lipids. It is used in many countries as a veterinary antibiotic, but is available in China and Italy for use in humans. Its main advantage over chloramphenicol is that it has never been associated with aplastic anaemia. Thiamphenicol is also widely used in Brazil, particularly for the treatment of sexually transmitted infections and pelvic inflammatory disease.



Molecular Formula:
(C₁₂H₁₅Cl₂NO₅S)
Molecular Weight:
356.22 g/mol

Analysis Test	Specification	Results
Description	white or almost white crystalline powder	white crystalline powder
Identification	Comply with the standard	Complies
Specific optical rotation	-21°~-24°	-23°
PH	2.3~3.3	2.65
Melting point	163~167°C	163~166°C
Heavy metals	≤10ppm	Complies
Loss on drying	≤1.0%	0.8%
Chloride	≤0.02%	Complies
Residue on ignition	≤0.1%	0.03%
Assay (on dried basis)	≥98%	99.5%
Solubility	At 50 mg/ml in ethanol	
Conclusion	QC passed.	

ABT-320-05

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