



Specification

Chloramphenicol

Catalog Number: CM1001
CAS Number: 56-75-7
Synonym(s): D-(-)-threo-2-Dichloroacetamido-1-(4-nitrophenyl)-1,3propanediol
Chloromycetin, D-(-)-threo-2,2-Dichloro-N-[[β -hydroxy- α -(hydroxymethyl)- β -(4-nitrophenyl)ethyl]acetamide
Molecular Formula: $C_{11}H_{12}Cl_2N_2O_5$
Molecular Weight: 323.13
Storage: 15°C – 30°C
Retest Period: Three years from the date of manufacture

Test	Specification
Appearance	White to off-white crystalline powder
Purity	97.0 – 103.0%
Identification	To meet requirements
Specific Rotation	+17.0° - +20.0°
Melting Range	149°C – 153°C
Crystallinity	To meet requirements
Chromatographic Purity	To meet requirements
pH (2.5% in H ₂ O)	4.5 – 7.5
Pyrogens	≤ 80mg/kg

Approved:

Date: September 12, 2018

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