

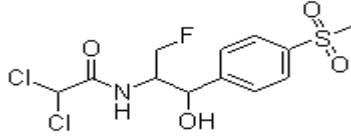
Florfenicol

CAS No.: 73231-34-2

Molecular Weight: 358.21

Molecular Formula: C₁₂H₁₄Cl₂FNO₄S

Molecular Structure:



Property:

Like chloramphenicol, florfenicol is a broad spectrum antibiotic that has activity against many bacteria. It acts by binding to the 50S ribosome, thereby inhibiting bacterial protein synthesis.

Specifications:

Item	Index
Appearance	White or almost white crystalline powder
Melting Point	152°C-156 °C
Specific Optical Rotation	-16°--19 °
PH	4.5-6.5
Chlorides	0.02%max.
Fluorides	4.8% min.
Related Substances	Individual Impurity 0.5% max.
Total Impurities	2.0% max.
Water	0.5% max.
Residue On Ignition	0.1%
Heavy Metals	Less than or equal to 20 millionths
Assay	Not less than 98.0% of C ₁₂ H ₁₄ Cl ₂ FNO ₄ S,calculated on the dried basis

Usage:

The drug is approved for use in cattle only (in the USA) for the treatment of bovine respiratory disease (BRD) associated with *Pasteurella haemolytica*, *Pasteurella multocida* and *Haemophilus somnus*.

Package and Storage:

Florfenicol is packed in 25kg or packing as customers' request. Sealed and stored in dry places. The shelf time is 2 years.

Keyword:

Florfenicol,[R-(R*,R*)]-N-[1-(Fluoromethyl)-2-hydroxy-2-(4-(methylsulfonyl)phenyl)-ethyl]-2,2-dichloroacetamide;2,2-Dichloro-N-[(1R,2S)-3-fluoro-1-hydroxy-1-(4-methylsulfonylphenyl)propan-2-yl]acetamide