Florfenicol is a synthetic fluorinated analog of thiamphenicol that exhibits antibiotic activity in livestock. Florfenicol acts as an antibacterial against *Shigella*, *Escherichia*, *Klebsiella*, *Enterobacter*, and *Haemophilus*. Florfenicol binds 23S rRNA on the bacterial 50S ribosome, inhibiting translation.

**Chemical Name** 2,2-Dichloro-N-[(1S,2R)-1-(fluoromethyl)-2-hydroxy-2-[4-methylsulfonyl]-phenyl]ethyl]acetamide

**Synonym** Fluorothiamphenicol, Aquafen

**Formula** C<sub>12</sub>H<sub>14</sub>Cl<sub>2</sub>FNO<sub>4</sub>S

**Formula Wt.** 358.21

**Melting Point** 153-154°C

**Purity** ≥98%

**Solubility** Acetone, DMF. Slightly soluble in water (1.3 mg/ml).

**Store Temp** Ambient

**Ship Temp** Ambient

**Description** Florfenicol is a synthetic fluorinated analog of thiamphenicol that exhibits antibiotic activity in livestock. Florfenicol acts as an antibacterial against *Shigella*, *Escherichia*, *Klebsiella*, *Enterobacter*, and *Haemophilus*. Florfenicol binds 23S rRNA on the bacterial 50S ribosome, inhibiting translation.

**References**


**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.