Florfenicol, Antibacterial agent ab141214

Overview

Product name
Florfenicol, Antibacterial agent

Description
Antibacterial agent

Biological description
Antibacterial agent. Synthetic fluorinated derivative of thiamphenicol. Inhibits 70S ribosomal activity and downstream protein synthesis. Pharmacologically active following oral administration.

Purity
> 99%

Properties

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

Molecular weight
358.21

Chemical structure

![Chemical structure image]

Molecular formula
C₁₂H₁₄Cl₂FNO₄S

CAS Number
73231-34-2

PubChem identifier
5201447

Storage instructions
Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.

Solubility overview
Soluble in ethanol to 25 mM and in DMSO to 100 mM

Handling
Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

SMILES
O=S(C)(=O)c1ccc(cc1)[C@@H](O)[C@@H](CF)NC(=O)C(Cl)Cl

Source
Synthetic

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS"
Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
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- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
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