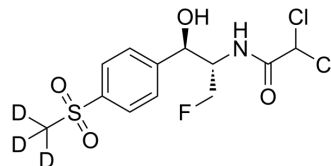


Florfenicol-d₃

Cat. No.:	HY-B1374S1
CAS No.:	2213400-85-0
Molecular Formula:	C ₁₂ H ₁₁ D ₃ Cl ₂ FNO ₄ S
Molecular Weight:	361.23
Target:	Bacterial; Antibiotic; Isotope-Labeled Compounds
Pathway:	Anti-infection; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Florfenicol-d₃ is the deuterium labeled Florfenicol. Florfenicol, a commonly used veterinary antibiotic, is currently indicated for bovine respiratory disease, and also used in aquaculture for the control of enteric septicemia in catfish. Florfenicol can induce early embryonic death in eggs, with an LC₅₀ of 1.07 µg/g.

REFERENCES

- [1]. Al-Shahrani S, et al. Florfenicol induces early embryonic death in eggs collected from treated hens. BMC Vet Res. 2015 Aug 18;11(1):213.
- [2]. Corinna Kehrenberg, et al. A new mechanism for chloramphenicol, florfenicol and clindamycin resistance: methylation of 23S ribosomal RNA at A2503. Molecular Microbiology

Caution: Product has not been fully validated for medical applications. For research use only.

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