



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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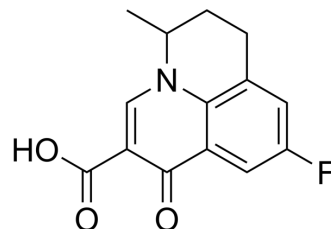
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Flumequine (Standard)

Cat. No.:	HY-B0526R
CAS No.:	42835-25-6
Molecular Formula:	C ₁₄ H ₁₂ FNO ₃
Molecular Weight:	261.25
Target:	Bacterial; Topoisomerase; Antibiotic
Pathway:	Anti-infection; Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Flumequine (Standard) is the analytical standard of Flumequine. This product is intended for research and analytical applications. Flumequine (R-802) is a quinolone antibiotic, and acts as a topoisomerase II inhibitor, with an IC ₅₀ of 15 μM (3.92 μg/mL).
IC ₅₀ & Target	IC50: 15 μM (Topoisomerase II) ^[1]

REFERENCES

- [1]. Kashida Y, et al. Mechanistic study on flumequine hepatocarcinogenicity focusing on DNA damage in mice. *Toxicol Sci.* 2002 Oct;69(2):317-21.
- [2]. Aller-Morán LM, et al. Evaluation of the in vitro activity of flumequine against field isolates of *Brachyspira hyodysenteriae*. *Res Vet Sci.* 2015 Dec;103:51-3.
- [3]. Giraud E, et al. Mechanisms of quinolone resistance and clonal relationship among *Aeromonas salmonicida* strains isolated from reared fish with furunculosis. *J Med Microbiol.* 2004 Sep;53(Pt 9):895-901.

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

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