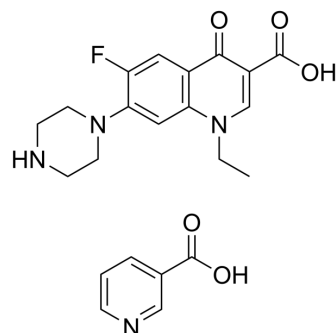


Norfloxacin (nicotinate)

Cat. No.:	HY-B0132B
CAS No.:	118803-81-9
Molecular Formula:	C ₂₂ H ₂₃ FN ₄ O ₅
Molecular Weight:	442.44
Target:	Bacterial; Antibiotic
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Norfloxacin nicotinate (MK-0366 nicotinate) is a fluoroquinolones antibiotic, an adduct of Norfloxacin (NOR) and nicotinic acid. Norfloxacin nicotinate has been widely used for replacing NOR in animal husbandry and fishery industry. Norfloxacin nicotinate can induce innate immune response at a high concentration ^[1] .
IC₅₀ & Target	Quinolone
In Vivo	Norfloxacin nicotinate (5 and/or 25 mg/L) significantly induces antioxidant enzymes activities and the mRNA levels of genes related to antioxidant enzymes and innate immune system in zebrafish larvae ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Water Res. 2023 May 21, 120110.
- Theranostics. 2022 Jan 1;12(3):1187-1203.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Liang X, et al. Effects of norfloxacin nicotinate on the early life stage of zebrafish (Danio rerio): Developmental toxicity, oxidative stress and immunotoxicity. Fish Shellfish Immunol. 2020 Jan;96:262-269.

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

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