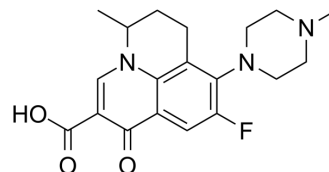


Vebufloxacin

Cat. No.:	HY-U00194
CAS No.:	79644-90-9
Molecular Formula:	C ₁₉ H ₂₂ FN ₃ O ₃
Molecular Weight:	359.39
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Vebufloxacin (Flumenique; OPC7241; DM8966) exhibits potent antibacterial activity against gram-positive and -negative bacteria.
IC₅₀ & Target	Bacteria ^[1]
In Vitro	A series of substituted 6,7-dihydro-1-oxo-1H,5H-benzo[<i>i,j</i>]quinolizino[2,1- <i>b</i>]quinoline-2-carboxylic acids is synthesized and tested for antibacterial activities. Among them, Vebufloxacin (OPC-7241) exhibits potent antibacterial activity against gram-positive and -negative bacteria, including <i>Staphylococcus aureus</i> and <i>Pseudomonas aeruginosa</i> , and OPC-7251 shows potent activity characteristically against <i>Propionibacterium acnes</i> ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Ishikawa H, et al. Studies on antibacterial agents. I. Synthesis of substituted 6,7-dihydro-1-oxo-1H,5H-benzo[*i,j*]quinolizino[2,1-*b*]quinoline-2-carboxylic acids. *Chem Pharm Bull (Tokyo)*. 1989 Aug;37(8):2103-8.

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

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