Product Data Sheet

Product Name: Vebufloxacin (Flumenique)
Cat. No.: GC33708

Chemical Properties

Cas. No.	79644-90-9		
SMILES	O=C(C1=CN2C(C)CCC3=C2C(C1=O)=CC(F)=C3N4CCN(C)CC4)O		
Formula	$C_{19}H_{22}FN_3O_3$	M.Wt	359.39
Solubility	Soluble in DMSO	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure	Vebufloxacin (Flumenique)		

Background

Vebufloxacin (Flumenique; OPC7241; DM8966) exhibits potent antibacterial activity against gram-positive and -negative bacteria.

A series of substituted 6,7-dihydro-1-oxo-1H,5H-benzo[i,j]quinolizine-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 Staphylococcus aureus and Pseudomonas aeruginosa, and OPC-7251 shows potent activity characteristically against Propionibacterium acnes[1].

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

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