

Nadifloxacin

Catalog No: tcsc2707



Available Sizes

Size: 1g

Size: 5g



Specifications

CAS No:

124858-35-1

Formula:

$C_{19}H_{21}FN_2O_4$

Pathway:

Anti-infection

Target:

Bacterial

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

OPC7251

Observed Molecular Weight:

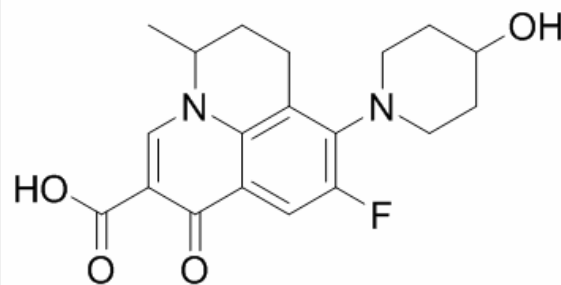
360.38

Product Description

Nadifloxacin(OPC7251) is a topical fluoroquinolone antibiotic for the treatment of acne vulgaris.

Target: Antibacterial

Nadifloxacin is a potent, broad-spectrum, quinolone agent approved for topical use in acne vulgaris and skin infections. Nadifloxacin inhibits the enzyme DNA gyrase that is involved in bacterial DNA synthesis and replication, thus inhibiting the bacterial multiplication. In vitro studies of nadifloxacin show potent and broad-spectrum antibacterial activity against aerobic Gram-positive, Gram-negative and anaerobic bacteria. Additionally, studies also suggest that the effectiveness of nadifloxacin in inflammatory acne lesions may be attributed to its inhibitory effect on pro-inflammatory cytokines like interleukin (IL)-1 α , IL-6, and IL-8 which also play an important role in acne pathogenesis [1, 2].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!