

Product data sheet



MedKoo Cat#: 540307 Name: Nadifloxacin CAS#: 124858-35-1 Chemical Formula: C ₁₉ H ₂₁ FN ₂ O ₄ Exact Mass: 360.1485 Molecular Weight: 360.38	
Product supplied as: Powder	
Purity (by HPLC): ≥ 98%	
Shipping conditions: Ambient temperature	
Storage conditions: Powder: -20°C 3 years; 4°C 2 years. In solvent: -80°C 3 months; -20°C 2 weeks.	

1. Product description:

Nadifloxacin is a bacterial DNA gyrase inhibitor used to treat acne vulgaris. It inhibits Propionibacterium-stimulated cytokine expression and decreases production of oxidative radicals by neutrophils.

2. CoA, QC data, SDS, and handling instruction

SDS and handling instruction, CoA with copies of QC data (NMR, HPLC and MS analytical spectra) can be downloaded from the product web page under “QC And Documents” section. Note: copies of analytical spectra may not be available if the product is being supplied by MedKoo partners. Whether the product was made by MedKoo or provided by its partners, the quality is 100% guaranteed.

3. Solubility data

Solvent	Max Conc. mg/mL	Max Conc. mM
DMSO	20.0	55.5

4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	2.77 mL	13.87 mL	27.75 mL
5 mM	0.55 mL	2.77 mL	5.55 mL
10 mM	0.28 mL	1.39 mL	2.77 mL
50 mM	0.06 mL	0.28 mL	0.55 mL

5. Molarity Calculator, Reconstitution Calculator, Dilution Calculator

Please refer the product web page under section of “Calculator”

6. Recommended literature which reported protocols for in vitro and in vivo study

In vitro study

TBD

In vivo study

TBD

7. Bioactivity

Biological target:

Nadifloxacin(OPC7251) is a topical fluoroquinolone antibiotic for the treatment of acne vulgaris that inhibits the enzyme DNA gyrase.

In vitro activity

TBD

In vivo activity

TBD

Note: The information listed here was extracted from literature. MedKoo has not independently retested and confirmed the accuracy of these methods. Customer should use it just for a reference only.