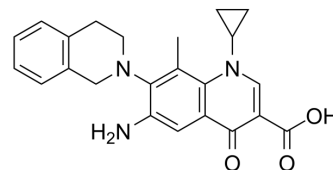


## MF 5137

Cat. No.:	HY-100289
CAS No.:	148927-23-5
Molecular Formula:	C <sub>23</sub> H <sub>23</sub> N <sub>3</sub> O <sub>3</sub>
Molecular Weight:	389.45
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	MF 5137 is a potent antibacterial agent.
IC <sub>50</sub> & Target	Antibacterial <sup>[1]</sup>
In Vitro	MF 5137 (Compound 2) is rapidly photodegraded upon UVA irradiation, yielding a toxic photoproduct. MF 5137 rapidly decreases the emission of the protein by about 80% after irradiation for 15 min. This effect is markedly reduced in anaerobic conditions <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Viola G, et al. 6-Aminoquinolones: photostability, cellular distribution and phototoxicity. *Toxicol In Vitro*. 2004 Oct;18(5):581-92.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA