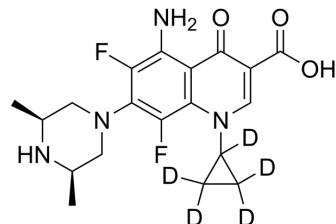


## Sparfloxacin-d<sub>5</sub>

Cat. No.:	HY-B0308S
Molecular Formula:	C <sub>19</sub> H <sub>17</sub> D <sub>5</sub> F <sub>2</sub> N <sub>4</sub> O <sub>3</sub>
Molecular Weight:	397.43
Target:	Bacterial; Antibiotic; Isotope-Labeled Compounds
Pathway:	Anti-infection; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Sparfloxacin-d<sub>5</sub> is deuterium labeled Sparfloxacin (HY-B0308). Sparfloxacin is a fluoroquinolone antibiotic, shows broad and potent antibacterial activity<sup>[1]</sup>.

### REFERENCES

- [1]. Nakamura, S., et al., In vitro and in vivo antibacterial activities of AT-4140, a new broad-spectrum quinolone. *Antimicrob Agents Chemother*, 1989. 33(8): p. 1167-73.
- [2]. Pan, X.S. and L.M. Fisher, Targeting of DNA gyrase in *Streptococcus pneumoniae* by sparfloxacin: selective targeting of gyrase or topoisomerase IV by quinolones. *Antimicrob Agents Chemother*, 1997. 41(2): p. 471-4.

**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