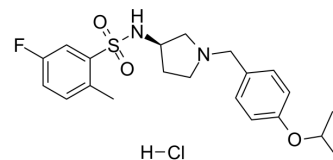


## (R)-Gyramide A hydrochloride

Cat. No.:	HY-109785A
CAS No.:	1793050-70-0
Molecular Formula:	C <sub>21</sub> H <sub>28</sub> ClFN <sub>2</sub> O <sub>3</sub> S
Molecular Weight:	442.98
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

(R)-Gyramide A hydrochloride is a bacterial DNA gyrase inhibitor that disrupts supercoiling activity with an IC<sub>50</sub> value of 3.3 μM. (R)-Gyramide A hydrochloride demonstrates antibacterial activity against *E. coli*, *P. aeruginosa*, and *S. enterica* (MICs of 10-80 μM). (R)-Gyramide A hydrochloride does not affect the closely related enzyme topoisomerase IV.

### REFERENCES

[1]. Foss MH, et al. N-Benzyl-3-sulfonamidopyrrolidines are a New Class of Bacterial DNA Gyrase Inhibitors. *ACS Med Chem Lett.* 2011 Apr 14;2(4):289-292.

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

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