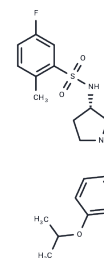


## (S)-Gyramide A

## Chemical Properties

CAS No. :	1000592-48-2
Formula:	C <sub>21</sub> H <sub>27</sub> FN <sub>2</sub> O <sub>3</sub> S
Molecular Weight:	406.51
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	(S)-Gyramide A is a bacterial DNA gyrase inhibitor that acts by exhibiting antimicrobial activity and inhibiting bacterial cell division.
Targets(IC50)	Others, Topoisomerase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.460 mL	12.2998 mL	24.5996 mL
5 mM	0.492 mL	2.460 mL	4.9199 mL
10 mM	0.246 mL	1.230 mL	2.460 mL
50 mM	0.0492 mL	0.246 mL	0.492 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Rajendram M, Hurley KA, Foss MH, Thornton KM, Moore JT, Shaw JT, Weibel DB. Gyramides prevent bacterial growth by inhibiting DNA gyrase and altering chromosome topology. ACS Chem Biol. 2014 Jun 20;9(6):1312-9. doi: 10.1021/cb500154m. Epub 2014 Apr 22. PubMed PMID: 24712739; PubMed Central PMCID: PMC4068256.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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