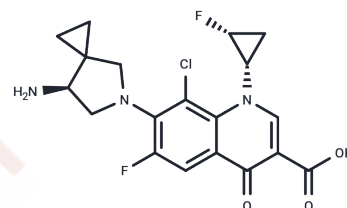


## (1S,2R,7S)-Sitafloracin

### Chemical Properties

CAS No. :	127254-11-9
Formula:	C <sub>19</sub> H <sub>18</sub> ClF <sub>2</sub> N <sub>3</sub> O <sub>3</sub>
Molecular Weight:	409.81
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



### Biological Description

Description	(1S,2R,7S)-Sitafloracin (DU-6856) is an enantiomer of Sitafloracin and functions as a topoisomerase inhibitor. As an antibiotic, it demonstrates inhibitory activity against Escherichia coli DNA gyrase (IC <sub>50</sub> 0.18 µg/mL) and Staphylococcus aureus topoisomerase IV. (1S,2R,7S)-Sitafloracin exhibits antibacterial properties and is utilized in the study of various bacterial infections.
Targets(IC <sub>50</sub> )	Antibacterial, Antibiotic, Topoisomerase

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4402 mL	12.2008 mL	24.4016 mL
5 mM	0.488 mL	2.4402 mL	4.8803 mL
10 mM	0.244 mL	1.2201 mL	2.4402 mL
50 mM	0.0488 mL	0.244 mL	0.488 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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