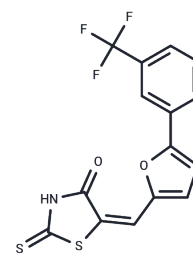


CCR-11

## Chemical Properties

CAS No. : 301687-87-6  
 Formula: C<sub>15</sub>H<sub>8</sub>F<sub>3</sub>NO<sub>2</sub>S<sub>2</sub>  
 Molecular Weight: 355.35  
 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	CCR-11 is a tannin-containing derivative with antimicrobial activity. CCR-11 inhibits the proliferation of <i>B. subtilis</i> and HeLa cells. CCR-11 inhibits bacterial proliferation and bacterial cytoplasmic division by inhibiting FtsZ assembly and GTPase activity. CCR-11 has potential anti-tumor activity and can be used to study breast cancer and pediatric myelodysplasia.
Targets(IC50)	Antibacterial, Antibiotic

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8141 mL	14.0706 mL	28.1413 mL
5 mM	0.5628 mL	2.8141 mL	5.6283 mL
10 mM	0.2814 mL	1.4071 mL	2.8141 mL
50 mM	0.0563 mL	0.2814 mL	0.5628 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

Singh P, et al. A rhodanine derivative CCR-11 inhibits bacterial proliferation by inhibiting the assembly and GTPase activity of FtsZ. *Biochemistry*. 2012 Jul 10;51(27):5434-42.

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