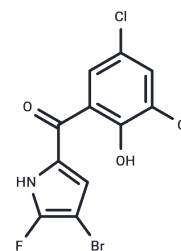


## Antibiofilm agent-9

## Chemical Properties

CAS No. :	2001602-07-7
Formula:	C <sub>11</sub> H <sub>5</sub> BrCl <sub>2</sub> FNO <sub>2</sub>
Molecular Weight:	352.97
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	Antibiofilm agent-9 (Compound 4), a derivative of pyrrolnitrin, exhibits antimicrobial activity. It inhibits Bacillus anthracis with a Minimum Inhibitory Concentration (MIC) of 0.031 µg/mL. The compound demonstrates significant antibiofilm activity, achieving an inhibition rate of 84% after 24 hours at a concentration of 8.0 µg/mL. Additionally, Antibiofilm agent-9 shows favorable pharmacokinetic properties in mouse models.
Targets(IC50)	Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8331 mL	14.1655 mL	28.331 mL
5 mM	0.5666 mL	2.8331 mL	5.6662 mL
10 mM	0.2833 mL	1.4166 mL	2.8331 mL
50 mM	0.0567 mL	0.2833 mL	0.5666 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481