

## Antibiofilm agent prodrug 1

## Chemical Properties

CAS No. :

Formula: C22H23FN4O5

Molecular Weight: 442.44

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 prodrug 1 (Compound 5c) demonstrates antibacterial properties by inhibiting biofilm formation and iron uptake. It effectively suppresses <i>Pseudomonas aeruginosa</i> PAO1 with a minimum inhibitory concentration (MIC) of 1.07 $\mu$ M. In addition, Antibiofilm agent prodrug 1 exhibits anti-infective activity in <i>Caenorhabditis elegans</i> , enhancing the survival rate of the nematodes.
Targets(IC50)	Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2602 mL	11.301 mL	22.6019 mL
5 mM	0.452 mL	2.2602 mL	4.5204 mL
10 mM	0.226 mL	1.1301 mL	2.2602 mL
50 mM	0.0452 mL	0.226 mL	0.452 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