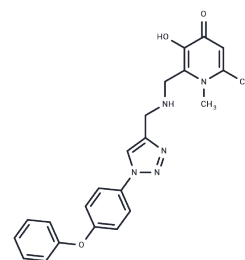


PqsR-IN-3

Chemical Properties

CAS No. :	3033007-79-0
Formula:	C23H23N5O3
Molecular Weight:	417.46
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	PqsR-IN-3 (compound 16e) is a selective inhibitor of the pqs system (IC ₅₀ =3.7 μM) and its associated virulence factor pyocyanin (IC ₅₀ =2.7 μM). This compound inhibits the synthesis of bacterial biofilms and is significantly cytotoxic to <i>Pseudomonas aeruginosa</i> . Additionally, PqsR-IN-3 exhibits synergistic effects with various antibiotics, such as Ciprofloxacin and Tobramycin.
Targets(IC ₅₀)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3954 mL	11.9772 mL	23.9544 mL
5 mM	0.4791 mL	2.3954 mL	4.7909 mL
10 mM	0.2395 mL	1.1977 mL	2.3954 mL
50 mM	0.0479 mL	0.2395 mL	0.4791 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

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