

PhoPS

Chemical Properties

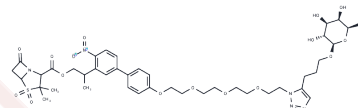
CAS No. :

Formula: C42H57N5O17S

Molecular Weight: 935.99

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	PhoPS is a photoactivatable β -lactamase inhibitor. Upon exposure to light, PhoPS releases the active β -lactamase inhibitor Sulbactam. This compound is capable of inhibiting the synthesis of bacterial cell walls and the formation of biofilms in <i>Escherichia coli</i> , thereby exhibiting antibacterial activity.
Targets(IC50)	Antibacterial, Beta-lactamase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0684 mL	5.3419 mL	10.6839 mL
5 mM	0.2137 mL	1.0684 mL	2.1368 mL
10 mM	0.1068 mL	0.5342 mL	1.0684 mL
50 mM	0.0214 mL	0.1068 mL	0.2137 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