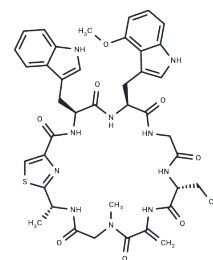


## Argyrin B

## Chemical Properties

CAS No. :	174423-36-0
Formula:	C41H46N10O8S
Molecular Weight:	838.931
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	Argyrin B is a naturally occurring cyclic peptide that acts as a reversible non-competitive inhibitor of the immunoproteasome. It exhibits higher inhibitory selectivity for the $\beta 5i$ and $\beta 1i$ sites of the immunoproteasome compared to the $\beta 5c$ and $\beta 1c$ sites of the constitutive proteasome, being nearly 20 times more selective for $\beta 1i$ than for its homolog $\beta 1c$ . Additionally, Argyrin B possesses antibacterial properties.
Targets(IC50)	Proteasome, Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.192 mL	5.960 mL	11.9199 mL
5 mM	0.2384 mL	1.192 mL	2.384 mL
10 mM	0.1192 mL	0.596 mL	1.192 mL
50 mM	0.0238 mL	0.1192 mL	0.2384 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

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