

## S3 Fragment

## Chemical Properties

CAS No. :

Formula: C73H120N18O24S2

Molecular Weight: 1697.97

Keep away from moisture

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	S3 Fragment is a biologically active peptide featuring the amino-terminal phosphorylation site unique to Xenopus ADF/cofilin, which is the target of LIM kinase (LIMK) phosphorylation. LIMK1, a pivotal regulator of the actin cytoskeleton, phosphorylates ADF/cofilin at serine-3, leading to its inactivation. As a segment of the S3 peptide harboring the serine-3 sequence, this fragment serves as a widely recognized competitive inhibitor of LIMK1.
Targets(IC50)	LIM Kinase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5889 mL	2.9447 mL	5.8894 mL
5 mM	0.1178 mL	0.5889 mL	1.1779 mL
10 mM	0.0589 mL	0.2945 mL	0.5889 mL
50 mM	0.0118 mL	0.0589 mL	0.1178 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