

Antifreeze Polypeptide 6 (winter flounder)

Chemical Properties

CAS No. :	122604-16-4
Formula:	C133H225N43O51
Molecular Weight:	3242.47
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Antifreeze Polypeptide 6 (winter flounder) is one of the winter flounder's antifreeze polypeptides, which depresses the freezing point of plasma by inhibiting the expansion of ice nuclei [1].
In vitro	Antifreeze Polypeptide 6 (winter flounder) inhibits ice crystal growth by selectively hydrogen bonding the side chains of threonine (Thr), asparagine (Asn), and aspartic acid (Asp) to the hexagonal bipyramidal planes of ice.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3084 mL	1.542 mL	3.0841 mL
5 mM	0.0617 mL	0.3084 mL	0.6168 mL
10 mM	0.0308 mL	0.1542 mL	0.3084 mL
50 mM	0.0062 mL	0.0308 mL	0.0617 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