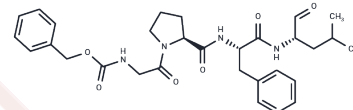


Z-Gly-Pro-Phe-Leu-CHO

Chemical Properties

CAS No. :	159659-05-9
Formula:	C30H38N4O6
Molecular Weight:	550.65
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	Z-Gly-Pro-Phe-Leu-CHO (Z-GPFL-CHO) is a tetrapeptide aldehyde that acts as a selective and potent proteasome inhibitor, with inhibition constants (K_i) of 1.5 μM for branched-chain amino acid-preferred, 2.3 μM for small neutral amino acid-preferred, and 40.5 μM for chymotrypsin-like activities, and an inhibitory concentration (IC_{50}) of 3.1 μM for peptidyl-glutamyl peptide hydrolyzing activity [1].
Targets(IC_{50})	Proteasome

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.816 mL	9.0802 mL	18.1604 mL
5 mM	0.3632 mL	1.816 mL	3.6321 mL
10 mM	0.1816 mL	0.908 mL	1.816 mL
50 mM	0.0363 mL	0.1816 mL	0.3632 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