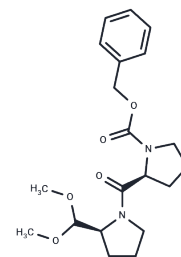


Z-Pro-Pro-aldehyde-dimethyl acetal

Chemical Properties

CAS No. :	170116-63-9
Formula:	C ₂₀ H ₂₈ N ₂ O ₅
Molecular Weight:	376.45
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-Pro-Pro-aldehyde-dimethyl acetal is a potent prolyl endopeptidase (PREP) inhibitor, effectively impeding the activity of this cytoplasmic serine endoprotease with an IC ₅₀ of 12 nM. Its significance lies in its role in modulating cognitive dysfunction associated with aging and neurodegenerative conditions, such as Alzheimer's disease [1] [2].
Targets(IC50)	Prolyl Endopeptidase (PREP)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6564 mL	13.282 mL	26.564 mL
5 mM	0.5313 mL	2.6564 mL	5.3128 mL
10 mM	0.2656 mL	1.3282 mL	2.6564 mL
50 mM	0.0531 mL	0.2656 mL	0.5313 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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