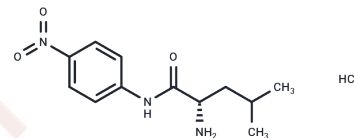


L-Leucyl-4-nitroanilide hydrochloride

Chemical Properties

CAS No. :	16010-98-3
Formula:	C ₁₂ H ₁₈ ClN ₃ O ₃
Molecular Weight:	287.74
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	L-Leucyl-4-nitroanilide hydrochloride is a substrate commonly employed in various biochemical assays for assessing the activity of enzymes such as proteases that cleave peptide bonds. With its unique chemical properties, L-Leucine p-nitroanilide hydrochloride can be cleaved by these enzymes to produce a yellow product known as p-nitroaniline. This characteristic makes it a valuable tool for detecting and quantifying protease activity in biological samples such as blood or tissue extracts.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4754 mL	17.3768 mL	34.7536 mL
5 mM	0.6951 mL	3.4754 mL	6.9507 mL
10 mM	0.3475 mL	1.7377 mL	3.4754 mL
50 mM	0.0695 mL	0.3475 mL	0.6951 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.

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