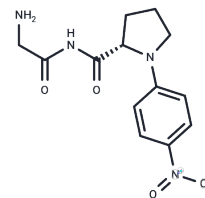
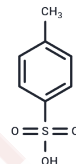


## GPDA

## Chemical Properties

CAS No. :	65096-46-0
Formula:	C <sub>20</sub> H <sub>24</sub> N <sub>4</sub> O <sub>7</sub> S
Molecular Weight:	464.49
Storage:	Keep away from direct sunlight 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	GPDA (Glycylproline p-nitroanilide tosylate) is a substrate of X-Prolyl dipeptidyl-aminopeptidase in the enzyme assay.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 98 mg/mL (210.98 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 3.3 mg/mL (7.1 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1529 mL	10.7645 mL	21.529 mL
5 mM	0.4306 mL	2.1529 mL	4.3058 mL
10 mM	0.2153 mL	1.0764 mL	2.1529 mL
50 mM	0.0431 mL	0.2153 mL	0.4306 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.

Reference

Hino M, et al. X-Prolyl dipeptidyl-aminopeptidase activity, with X-proline p-nitroanilides as substrates, in normal and pathological human sera. Clin Chem. 1976 Aug;22(8):1256-61.

Chen YS, et al. Purification and characterization of human prolyl dipeptidase DPP8 in Sf9 insect cells. Protein Expr Purif. 2004 May;35(1):142-6.

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