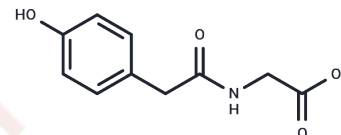


Hydroxyphenylacetylglycine

Chemical Properties

CAS No. : 28116-23-6
Formula: C₁₀H₁₁NO₄
Molecular Weight: 209.2
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	Hydroxyphenylacetylglycine (p-Hydroxyphenylacetylglycine) is an endogenous human metabolite.
Targets(IC50)	Endogenous Metabolite
In vitro	Hydroxyphenylacetylglycine (4-Hydroxyphenylacetylglycine) functions as both an acyl glycine and an innate metabolite within humans[1].

Solubility Information

Solubility	DMSO: 3.6 mg/mL (17.21 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: 1 mg/mL (4.78 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	4.7801 mL	23.9006 mL	47.8011 mL
5 mM	0.956 mL	4.7801 mL	9.5602 mL
10 mM	0.478 mL	2.3901 mL	4.7801 mL
50 mM	0.0956 mL	0.478 mL	0.956 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

Stanislaus A, et al. Development of an isotope labeling ultra-high performance liquid chromatography mass spectrometric method for quantification of acylglycines in human urine. *Anal Chim Acta*. 2012 Oct 31;750:161-72.

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