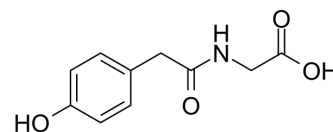


Hydroxyphenylacetylglucine

Cat. No.:	HY-113210
CAS No.:	28116-23-6
Molecular Formula:	C ₁₀ H ₁₁ NO ₄
Molecular Weight:	209.2
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, stored under nitrogen, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (478.01 mM; Need ultrasonic)																					
	<table border="1"> <thead> <tr> <th rowspan="2">Solvent</th> <th rowspan="2">Mass</th> <th colspan="3">Concentration</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Preparing Stock Solutions</td> <td>1 mM</td> <td>4.7801 mL</td> <td>23.9006 mL</td> <td>47.8011 mL</td> </tr> <tr> <td>5 mM</td> <td>0.9560 mL</td> <td>4.7801 mL</td> <td>9.5602 mL</td> </tr> <tr> <td>10 mM</td> <td>0.4780 mL</td> <td>2.3901 mL</td> <td>4.7801 mL</td> </tr> </tbody> </table>	Solvent	Mass	Concentration			1 mg	5 mg	10 mg	Preparing Stock Solutions	1 mM	4.7801 mL	23.9006 mL	47.8011 mL	5 mM	0.9560 mL	4.7801 mL	9.5602 mL	10 mM	0.4780 mL	2.3901 mL	4.7801 mL
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	Please refer to the solubility information to select the appropriate solvent.																					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (11.95 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (11.95 mM); Clear solution 																					

BIOLOGICAL ACTIVITY

Description	Hydroxyphenylacetylglucine is an acyl glycine, and an endogenous human metabolite.
IC₅₀ & Target	Human Endogenous Metabolite
In Vitro	Hydroxyphenylacetylglucine (4-Hydroxyphenylacetylglucine) is an acyl glycine, and an endogenous human metabolite ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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