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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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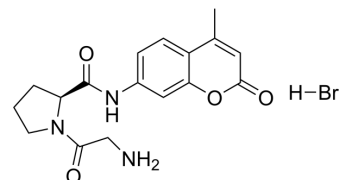
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Gly-Pro-AMC hydrobromide

Cat. No.:	HY-137834
CAS No.:	115035-46-6
Molecular Formula:	C ₁₇ H ₂₀ BrN ₃ O ₄
Molecular Weight:	410.26
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (243.75 mM; Need ultrasonic)				
	H ₂ O : 100 mg/mL (243.75 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration Mass	1 mg	5 mg	10 mg
		1 mM	2.4375 mL	12.1874 mL	24.3748 mL
		5 mM	0.4875 mL	2.4375 mL	4.8750 mL
10 mM		0.2437 mL	1.2187 mL	2.4375 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (6.09 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (6.09 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil				
	Solubility: ≥ 2.5 mg/mL (6.09 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Gly-Pro-AMC hydrobromide is a fluorescent dye, it can be used as a specific fluorescent substrate for detecting Dipeptidyl peptidase IV (DPP-IV) activity ^{[1][2]} .
In Vitro	Gly-Pro-AMC hydrobromide (50 μM; 20 min; 37 °C) can be used as a specific fluorescent substrate for detecting DPP-IV activity ^[1] . Gly-Pro-AMC hydrobromide have fluorescence properties, with the fluorescence detection conditions: excitation wavelength

350 nm, fluorescence emission spectrum detection 450 nm^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Lammi C, et al. Soybean- and Lupin-Derived Peptides Inhibit DPP-IV Activity on In Situ Human Intestinal Caco-2 Cells and Ex Vivo Human Serum. *Nutrients*. 2018 Aug 13;10(8):1082.

[2]. Gallego M, et al. Dipeptidyl peptidase IV inhibitory peptides generated in Spanish dry-cured ham. *Meat Sci*. 2014 Feb;96(2 Pt A):757-61.

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

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