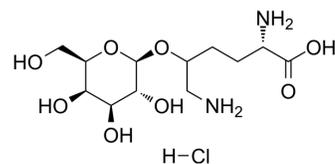


Galactosylhydroxylysine hydrochloride

Cat. No.:	HY-113230B
Molecular Formula:	C ₁₂ H ₂₅ ClN ₂ O ₈
Molecular Weight:	360.79
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (277.17 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
			1 mM	2.7717 mL	13.8585 mL	27.7170 mL
			5 mM	0.5543 mL	2.7717 mL	5.5434 mL
			10 mM	0.2772 mL	1.3858 mL	2.7717 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (6.93 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.93 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Galactosylhydroxylysine hydrochloride is a component of bone collagen produced by post-translational glycosylation of hydroxylysine. Galactosylhydroxylysine hydrochloride is released during bone resorption and has been shown to be elevated in metabolic bone loss ^[1] .
IC ₅₀ & Target	Human Endogenous Metabolite

REFERENCES

[1]. Leigh SD, et al. Development of an immunoassay for urinary galactosylhydroxylysine. J Immunol Methods. 1998;220(1-2):169-178.

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

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