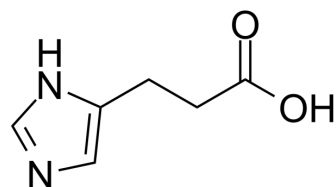


Imidazole-5-propionic acid

Cat. No.:	HY-W045271		
CAS No.:	1074-59-5		
Molecular Formula:	C ₆ H ₈ N ₂ O ₂		
Molecular Weight:	140		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

H₂O : 100 mg/mL (714.29 mM; Need ultrasonic)

DMSO : < 1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble or slightly soluble)

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	7.1429 mL	35.7143 mL	71.4286 mL
	5 mM	1.4286 mL	7.1429 mL	14.2857 mL
	10 mM	0.7143 mL	3.5714 mL	7.1429 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Imidazole-5-propionic acid is a histidine metabolite^[1].

REFERENCES

[1]. Wadud S, et, al. In vitro catabolism of histidine by mixed rumen bacteria and protozoa. Curr Microbiol. 2001 Jan;42(1):12-7.

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

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