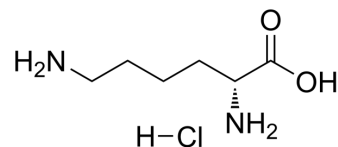


D-Lysine monohydrochloride

Cat. No.:	HY-Y1804
CAS No.:	7274-88-6
Molecular Formula:	C ₆ H ₁₅ ClN ₂ O ₂
Molecular Weight:	182.65
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 100 mg/mL (547.50 mM; Need ultrasonic)
DMSO : < 1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble or slightly soluble)

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		Concentration	1 mg	5 mg	10 mg
	1 mM		5.4750 mL	27.3748 mL	54.7495 mL
	5 mM		1.0950 mL	5.4750 mL	10.9499 mL
	10 mM		0.5475 mL	2.7375 mL	5.4750 mL

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

BIOLOGICAL ACTIVITY

Description

D-Lysine monohydrochloride is an Lysine stereoisomer which can be used as a component of surfactants^[1].

IC₅₀ & Target

Human Endogenous Metabolite

REFERENCES

[1]. Mondal D, et, al. Synthesis and antibacterial properties of carbohydrate-templated lysine surfactants. Carbohydr Res. 2011 Apr 1;346(5):588-94.

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

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