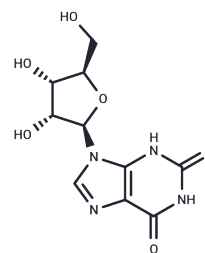


Xanthosine

Chemical Properties

CAS No. :	146-80-5
Formula:	C ₁₀ H ₁₂ N ₄ O ₆
Molecular Weight:	284.23
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Xanthosine (9-Beta-D-Ribofuranosylxanthine) is a xanthine nucleoside that increases the number of mammary stem cells and milk production in goats and cattle.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 60 mg/mL (211.1 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5183 mL	17.5914 mL	35.1828 mL
5 mM	0.7037 mL	3.5183 mL	7.0366 mL
10 mM	0.3518 mL	1.7591 mL	3.5183 mL
50 mM	0.0704 mL	0.3518 mL	0.7037 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Magasanik, B, et al.: J. Bio. Chem., 206, 83 (1954)

Chen J, Li T, Huang D, et al. Integrating UHPLC-MS/MS quantitative analysis and exogenous purine supplementation to elucidate the antidepressant mechanism of Chaigui granules by regulating purine metabolism. Journal of Pharmaceutical Analysis. 2023

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