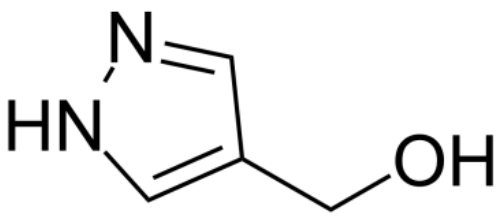
Product Data Sheet

Product Name: 4-Hydroxymethylpyrazole
Cat. No.: GC39691

Chemical Properties

Cas. No.	25222-43-9		
SMILES	OCC1=CNN=C1		
Formula	$C_4H_6N_2O$	M.Wt	98.1
Solubility	DMSO : 100 mg/mL (1019.37 mM; Need ultrasonic)	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			



Background

4-Hydroxymethylpyrazole is the primary metabolite of Fomepizole. Fomepizole is a competitive inhibitor of the enzyme alcohol dehydrogenase[1].

[1]. R Blomstrand, et al. Pyrazoles as Inhibitors of Alcohol Oxidation and as Important Tools in

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Alcohol Research: An Approach to Therapy Against Methanol Poisoning. Proc Natl Acad Sci U S A . 1979 Jul;76(7):3499-503.