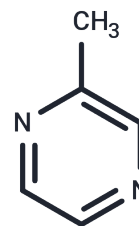


## 2-Methylpyrazine

## Chemical Properties

CAS No. :	109-08-0
Formula:	C <sub>5</sub> H <sub>6</sub> N <sub>2</sub>
Molecular Weight:	94.11
Storage:	Pure form: -20°C for 3 years   In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	2-Methylpyrazine, also known as Methylpyrazine, is an alkylpyrazine compound detectable in the oils of roasted red pepper seeds.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 245 mg/mL (2603.34 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (21.25 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	10.6259 mL	53.1293 mL	106.2586 mL
5 mM	2.1252 mL	10.6259 mL	21.2517 mL
10 mM	1.0626 mL	5.3129 mL	10.6259 mL
50 mM	0.2125 mL	1.0626 mL	2.1252 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

M Y Jung, et al. Effects of roasting on pyrazine contents and oxidative stability of red pepper seed oil prior to its extraction. J Agric Food Chem. 1999 Apr;47(4):1700-4.

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