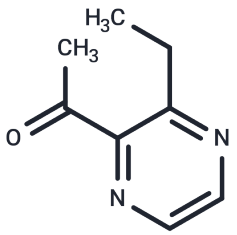
Data Sheet (Cat.No.T67047)

TargetMol

2-Acetyl-3-ethylpyrazine

Chemical Properties



CAS No. : 32974-92-8

Formula: C8H10N2O

Molecular Weight: 150.18

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-Acetyl-3-ethylpyrazine has antitumor activity.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 90 mg/mL (599.28 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: 3.3 mg/mL (21.97 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.6587 mL	33.2934 mL	66.5868 mL
5 mM	1.3317 mL	6.6587 mL	13.3174 mL
10 mM	0.6659 mL	3.3293 mL	6.6587 mL
50 mM	0.1332 mL	0.6659 mL	1.3317 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

Khan MH, et al. Developing a binuclear multi-target Bi(III) complex by optimizing 2-acetyl-3-ethylpyrazine thiosemicarbazides. Eur J Med Chem. 2019;182:111616.

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