SZABO SCANDIC

Part of Europa Biosite

Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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2-Pyrazinecarboxylic acid

Cat. No.: HY-76353

CAS No.: 98-97-5

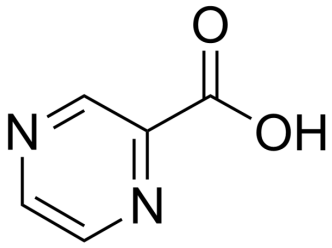
Molecular Formula: $C_5H_4N_2O_2$

Molecular Weight: 124.1

Target: Biochemical Assay Reagents

Pathway: Others

Storage: Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (402.90 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	8.0580 mL	40.2901 mL	80.5802 mL
	5 mM	1.6116 mL	8.0580 mL	16.1160 mL
	10 mM	0.8058 mL	4.0290 mL	8.0580 mL

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

BIOLOGICAL ACTIVITY

Description

2-Pyrazinecarboxylic acid is a biochemical reagent that can be used as a biological material or organic compound for life science related research.

In Vitro

Pyrazinecarboxylic acid is an active metabolite of pyrazinamide. Pyrazinamidean is an anti-tubercular agent. In this model for the evaluation of the effects of uricosuric agents, the urinary excretion of pyrazinecarboxylic acid was decreased by probenecid and indic ated an inverse correlation between urinary excretion of urate and pyrazinecarboxylic acid. In the in vitro study, the treatment of the vesicles of rat renal brush-border membrane with pyrazinecarboxylic acid produced an increased urate uptake, which was inhibited by uricosuric agents. PZA (pyrazinamide) is con verted to pyrazinecarboxylic acid (POA) in plant cells, suppressing the activity of 1-aminocyclopropane-1-carboxylic acid oxidase (ACO), the enzyme catalysing the final step of ethylene formation.

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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

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