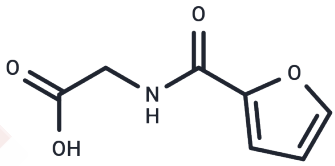
Data Sheet (Cat.No.T38061)

TargetMol

2-Furoylglycine

Chemical Properties



CAS No. : 5657-19-2

Formula: C7H7NO4

Molecular Weight: 169.13

Storage: Keep away from direct sunlight
Powder: -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-Furoylglycine is a furan metabolite and the primary urinary biomarker of furfural exposure. It is used for assessing dietary or occupational furfural exposure and as a standard in metabolomic research.
Targets(IC50)	Endogenous Metabolite
In vitro	2-Furoylglycine is a urinary biomarker for coffee intake [1]. 2-Furoylglycine is a synthetic intermediate for non-nucleoside HCV NS5b inhibitors [2].

Solubility Information

Solubility	Ethanol: >21.25 mg/mL,Sonication is recommended. H2O: > 21.55 mg/mL,Sonication is recommended. DMSO: 80.00 mg/mL (473.01 mM),Sonication is recommmended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 2.50 mg/mL (14.78 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	5.9126 mL	29.5631 mL	59.1261 mL
5 mM	1.1825 mL	5.9126 mL	11.8252 mL
10 mM	0.5913 mL	2.9563 mL	5.9126 mL
50 mM	0.1183 mL	0.5913 mL	1.1825 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

Meltzer HY, Fessler RG, Fang VS. Perlapine: relationship between stimulation of prolactin secretion and antipsychotic activity. Psychopharmacology (Berl). 1977 Oct 20;54(2):183-6. PubMed PMID: 412213.