

## 2-Furoic acid

Catalog No: tcscw013662



### Available Sizes

Size: 100g

Size: 500g

Size: 1000g



### Specifications

**CAS No:**

88-14-2

**Formula:**

$C_5H_4O_3$

**Pathway:**

Metabolic Enzyme/Protease;Metabolic Enzyme/Protease

**Target:**

Acyltransferase;ATP Citrate Lyase

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Alternative Names:**

Furan-2-carboxylic acid

**Observed Molecular Weight:**

112.08

### Product Description

2-Furoic acid (Furan-2-carboxylic acid) is an organic compound produced through furfural oxidation<sup>[1]</sup>. 2-Furoic acid exhibits hypolipidemic effect, lowers both serum cholesterol and serum triglyceride levels in rats<sup>[2]</sup>.

***In Vivo:*** 2-Furoic acid significantly reduces serum cholesterol and serum triglyceride levels<sup>[2]</sup>.

2-Furoic acid also lowers the liver and small intestine ATP dependent citrate lyase, acetyl CoA synthetase, acyl CoA cholesterol acyl transferase, sn-glycerol 3-phosphate acyl transferase, phosphatidylate phosphohydrolase and heparin induced lipoprotein lipase activities<sup>[2]</sup>.

2-Furoic acid shows the LD<sub>50</sub> of 250 mg/kg i.p. in the acute toxicity studies in mice<sup>[2]</sup>.



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