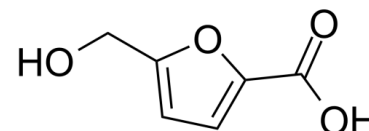


## Data Sheet

<b>Product Name:</b>	5-Hydroxymethyl-2-furancarboxylic acid
<b>Cat. No.:</b>	CS-W005241
<b>CAS No.:</b>	6338-41-6
<b>Molecular Formula:</b>	C <sub>6</sub> H <sub>6</sub> O <sub>4</sub>
<b>Molecular Weight:</b>	142.11
<b>Target:</b>	Endogenous Metabolite
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Solubility:</b>	DMSO : ≥ 150 mg/mL (1055.52 mM)



### BIOLOGICAL ACTIVITY:

5-Hydroxymethyl-2-furancarboxylic acid is the main metabolite of 5-hydroxymethyl-2-furfural (HMF) in the body and eliminated renally. **In Vitro:** 5-Hydroxymethyl-2-furancarboxylic acid (HMFA) can be used as a biomarker for the exposure to HMF<sup>[1]</sup>.

### References:

[1]. D.Jöbstl, et al. Analysis of 5-hydroxymethyl-2-furoic acid (HMFA) the main metabolite of alimentary 5-hydroxymethyl-2-furfural (HMF) with HPLC and GC in urine. Food Chemistry. 2010 Dec 1; 123 (3): 814-818.

### CAIndexNames:

2-Furancarboxylic acid, 5-(hydroxymethyl)-

### SMILES:

C1=C(OC(=C1)CO)C(=O)O

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

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