5-Hydroxymethyl-2-furancarboxylic acid

Cat. No.: HY-W005241
CAS No.: 6338-41-6
Molecular Formula: C₆H₆O₄
Molecular Weight: 142.11
Target: Endogenous Metabolite
Pathway: Metabolic Enzyme/Protease
Storage:
- Powder: -20°C 3 years, 4°C 2 years
- In solvent: -80°C 6 months, -20°C 1 month

SOLVENT & SOLUBILITY

In Vitro
DMSO : ≥ 150 mg/mL (1055.52 mM)
* “≥” means soluble, but saturation unknown.

Preparing Stock Solutions

<table>
<thead>
<tr>
<th>Concentration</th>
<th>Mass 1 mg</th>
<th>Mass 5 mg</th>
<th>Mass 10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td>7.0368 mL</td>
<td>35.1840 mL</td>
<td>70.3680 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>1.4074 mL</td>
<td>7.0368 mL</td>
<td>14.0736 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>0.7037 mL</td>
<td>3.5184 mL</td>
<td>7.0368 mL</td>
</tr>
</tbody>
</table>

SOLVENT & SOLUBILITY

BIOLOGICAL ACTIVITY

Description
5-Hydroxymethyl-2-furancarboxylic acid is the main metabolite of 5-hydroxymethyl-2-furfural (HMF) in the body and eliminated renally.

IC₅₀ & Target
Human Endogenous Metabolite

In Vitro
5-Hydroxymethyl-2-furancarboxylic acid (HMFA) can be used as a biomarker for the exposure to HMF[1].

REFERENCES

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

Tel: 609-228-6898          Fax: 609-228-5909          E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA