Torsemide

Cat. No.: HY-B0247  
CAS No.: 56211-40-6  
Molecular Formula: C₁₆H₂₀N₄O₃S  
Molecular Weight: 348.42  
Target: Others  
Pathway: Others  
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 : ≥ 3.5 mg/mL (10.05 mM)  
*“≥” means soluble, but saturation unknown.*

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>Mass Concentration</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td>2.8701 mL</td>
<td>14.3505 mL</td>
<td>28.7010 mL</td>
<td></td>
</tr>
<tr>
<td>5 mM</td>
<td>0.5740 mL</td>
<td>2.8701 mL</td>
<td>5.7402 mL</td>
<td></td>
</tr>
<tr>
<td>10 mM</td>
<td>0.2870 mL</td>
<td>1.4350 mL</td>
<td>2.8701 mL</td>
<td></td>
</tr>
</tbody>
</table>

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

**BIOLOGICAL ACTIVITY**

Torsemide is a pyridine-sulfonyl urea type loop diuretic. Target: Others

Torsemide is a pyridine-sulfonylurea type loop diuretic mainly used in the management of edema associated with congestive heart failure. It is also used at low doses for the management of hypertension. Torsemide significantly reduced total HF readmissions (relative risk [RR]: 0.41, 95% CI: 0.28-0.61, p < 0.0001) and HF readmissions (RR: 0.53, 95% CI: 0.33-0.84, p = 0.008) as well as CV readmissions (RR: 0.77, 95% CI: 0.60-0.98, p = 0.03) in patients with “at least 1 readmission.” Torsemide caused a 14% reduction in all-cause mortality (RR: 0.86 [0.53-1.39], p = 0.54). Torsemide significantly reduces HF and CV-related hospital readmissions in systolic HF. Furthermore, torsemide is associated with a trend in reducing all-cause mortality [1]. Torsemide has several characteristics that make it suitable for treatment of advanced heart failure including longer half-life, increased potency of diuretic action, and anti-aldosterone effects. This case report details the administration of torsemide in 3 dogs with advanced heart failure and apparent furosemide resistance [2].

**REFERENCES**