Ancitabine hydrochloride

Cat. No.: HY-N0093
CAS No.: 10212-25-6
Molecular Formula: C₉H₁₂ClN₃O₄
Molecular Weight: 261.66
Target: Autophagy
Pathway: Autophagy
Storage: Powder -20°C 3 years
        4°C  2 years
        In solvent -80°C 6 months
                -20°C 1 month

SOLVENT & SOLUBILITY

In Vitro

H₂O : ≥ 50 mg/mL (191.09 mM)
DMSO : 25 mg/mL (95.54 mM; Need ultrasonic)
* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

<table>
<thead>
<tr>
<th>Solvent Concentration</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td>3.8218 mL</td>
<td>19.1088 mL</td>
<td>38.2175 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.7644 mL</td>
<td>3.8218 mL</td>
<td>7.6435 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>0.3822 mL</td>
<td>1.9109 mL</td>
<td>3.8218 mL</td>
</tr>
</tbody>
</table>

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (9.55 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (9.55 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (9.55 mM); Clear solution

BIOLOGICAL ACTIVITY

Description
Ancitabine (hydrochloride) is an important antileukemia drugs.

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

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