Estramustine phosphate sodium

Cat. No.: HY-13627
CAS No.: 52205-73-9
Molecular Formula: C_{23}H_{30}Cl_2NNa_2O_6P
Molecular Weight: 564.35
Target: Microtubule/Tubulin
Pathway: Cell Cycle/DNA Damage; Cytoskeleton
Storage:
- Powder: -20°C 3 years, 4°C 2 years
- In solvent: -80°C 6 months, -20°C 1 month

Solvent & Solubility

In Vitro

H_2O : ≥ 100 mg/mL (177.20 mM)

* “≥” 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>1.7720 mL</td>
<td>8.8598 mL</td>
<td>17.7195 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.3544 mL</td>
<td>1.7720 mL</td>
<td>3.5439 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>0.1772 mL</td>
<td>0.8860 mL</td>
<td>1.7720 mL</td>
</tr>
</tbody>
</table>

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

BIOLOGICAL ACTIVITY

Description

Estramustine phosphate sodium is an antimicrotubule chemotherapy agent; arrests prostate cancer cells in the G2/M phase of the cell cycle.

REFERENCES


