Bexagliflozin

Cat. No.: HY-17604
CAS No.: 1118567-05-7
Molecular Formula: C₂₄H₂₉ClO₇
Molecular Weight: 464.94
Target: SGLT
Pathway: Membrane Transporter/Ion Channel
Storage: Powder
-20°C 3 years
4°C 2 years
In solvent
-80°C 6 months
-20°C 1 month

Solvent & Solubility

In Vitro 10 mM in DMSO

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>Solvent Mass 1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td>2.1508 mL</td>
<td>10.7541 mL</td>
<td>21.5082 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.4302 mL</td>
<td>2.1508 mL</td>
<td>4.3016 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>0.2151 mL</td>
<td>1.0754 mL</td>
<td>2.1508 mL</td>
</tr>
</tbody>
</table>

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

BIOLOGICAL ACTIVITY

Description
Bexagliflozin is a potent and selective SGLT2 inhibitor with IC50 value of 5.6 μM /2 nM in SGLT1 /SGLT2 respectively.

1) In normal rats and dogs a saturable urinary glucose excretion was produced with an ED50 of 0.38 and 0.09 mg/kg, respectively.
2) EGT1442 significantly prolonged the median survival of SHRSP rats.
3) EGT1442 dose-dependently reduced HbA1c and blood glucose concentration without affecting body mass or insulin level.

CUSTOMER VALIDATION


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REFERENCES


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