AF38469

Cat. No.: HY-12802
CAS No.: 1531634-31-7
Molecular Formula: C₁₅H₁₁F₃N₂O₃
Molecular Weight: 324.25
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 : ≥ 43 mg/mL (132.61 mM)
* “≥” means soluble, but saturation unknown.

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>Concentration</th>
<th>Mass 1 mg</th>
<th>Mass 5 mg</th>
<th>Mass 10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 mM</td>
<td>3.0840 mL</td>
<td>15.4202 mL</td>
<td>30.8404 mL</td>
</tr>
<tr>
<td></td>
<td>5 mM</td>
<td>0.6168 mL</td>
<td>3.0840 mL</td>
<td>6.1681 mL</td>
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<tr>
<td></td>
<td>10 mM</td>
<td>0.3084 mL</td>
<td>1.5420 mL</td>
<td>3.0840 mL</td>
</tr>
</tbody>
</table>

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

BIOLOGICAL ACTIVITY

Description AF38469 is a novel, selective, orally bioavailable Sortilin inhibitor with an IC₅₀ value of 330 nM.

IC₅₀ & Target IC₅₀:330 nM (Sortilin)[1]

In Vitro AF38469 showed no inhibition or stimulation of >50% at 10 μM in a standard selectivity panel of ca. 70 targets run at CEREP. Importantly AF38469 showed no activity against the NTR1 receptor. In addition AF38469 showed no activity against a selected panel of targets known to bind acidic molecules (d-Opioid, GPR40, PPARd, EP1, Angiotensin AT1, Endothelin ETA & B, MMP-12). AF38469 will serve as an important tool to further delineate the biology of Sortilin, and to facilitate evaluation of the therapeutic potential of this protein[1].

CUSTOMER VALIDATION

Product Data Sheet
Inhibitors • Agonists • Screening Libraries

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REFERENCES


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