Seletracetam

Cat. No.: HY-119810
CAS No.: 357336-74-4
Molecular Formula: C₁₀H₁₄F₂N₂O₂
Molecular Weight: 232.23
Target: Others
Pathway: Others
Storage: Please store the product under the recommended conditions in the COA.

**BIOLOGICAL ACTIVITY**

<table>
<thead>
<tr>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Seletracetam (Ucb 44212) is an analog of the antiepileptic agent Levetiracetam. Seletracetam is a small molecule SV2A modulator for the research of epilepsy[1][2][3].</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>IC₅₀ &amp; Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>SV2A[1]</td>
</tr>
</tbody>
</table>

**In Vitro**

- Seletracetam decreases seizure activity in a number of epilepsy models and binds to the synaptic vesicle protein SV2A[2].
- Seletracetam decreases synaptic responses in a time-, frequency- and concentration-dependent manner[2].
- Seletracetam modifies rates of presynaptic release[2].
- Seletracetam inhibits high-voltage-activated Ca²⁺ currents and intracellular Ca²⁺ increase in rat cortical neurons in vitro[2].

**REFERENCES**

