**Product Name:** Repertaxin  
**Catalog Number:** T4163  
**CAS Number:** 266359-83-5  
**Molecular Formula:** C14H21NO3S  
**Molecular Weight:** 283.39

**Description:** Repartaxin is a potent inhibitor of both CXCL8 receptors CXCR1/2, it inhibits weakly CXCR2-mediated cell migration (IC50=100 nM), whereas it strongly blocks CXCR1-mediated chemotaxis (IC50=1 nM).

**Storage:** 2 years -80°C in solvent; 3 years -20°C powder;

<table>
<thead>
<tr>
<th>Solubility</th>
<th>DMSO</th>
<th>500 mg/mL</th>
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<tbody>
<tr>
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<td>(&lt; 1 mg/mL refers to the product slightly soluble or insoluble)</td>
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</table>

**Receptor (IC50)**

<table>
<thead>
<tr>
<th>Receptor</th>
<th>IC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>CXCR1</td>
<td>100nM</td>
</tr>
<tr>
<td>CXCR2</td>
<td>1nM</td>
</tr>
<tr>
<td>CXCR1/2</td>
<td></td>
</tr>
</tbody>
</table>

**Animal Experiment**

**Animal Model:**

**Cell Assay**

L1.2 Cell suspension (1.5-3×106 cells/mL) is incubated at 37°C for 15 min in the presence of vehicle or of Repartaxin (1 nM-1 μM) and next seeded in triplicates in the upper compartment of the chemotactic chamber. Different agonists are seeded in the lower compartment of the chamber at the following concentrations: 1 nM CXCL8, 0.03 nM fMLP, 10 nM CXCL1, 2.5 nM CCL2, 30 nM C5a. The chemotactic chamber is incubated at 37°C in air with 5% CO2 for 45 min (human PMNs) or 2 h (monocytes). At the end of incubation, the filter is removed, fixed, and stained and five oil immersion fields at high magnification (100×) are counted for each migration well after sample coding. L1.2 migration is evaluated using 5 μM pore size Transwell filters.

**Cell line:**


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