**Rimeporide hydrochloride**

Cat. No.: HY-19273A  
CAS No.: 187870-95-7  
Molecular Formula: \( \text{C}_{11}\text{H}_{16}\text{ClN}_{3}\text{O}_{5}\text{S}_{2} \)  
Molecular Weight: 369.84  
Target: Sodium Channel  
Pathway: Membrane Transporter/Ion Channel  
Storage: Please store the product under the recommended conditions in the COA.

**BIOLOGICAL ACTIVITY**

<table>
<thead>
<tr>
<th>Description</th>
<th>Rimeporide hydrochloride (EMD-87580 hydrochloride) is a potent and selective inhibitor of the ( \text{Na}^{+}/\text{H}^{+} ) exchanger (NHE-1).</th>
</tr>
</thead>
<tbody>
<tr>
<td>IC\text{_{50}} &amp; Target</td>
<td>NHE1\textsuperscript{[1]}</td>
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<tr>
<td>In Vitro</td>
<td>Blocking NHE-1 activity has been shown to decrease intracellular ( \text{Na}^{+} ) and ( \text{Ca}^{2+} ) overload and pH and Rimeporide (EMD-87580) represents a new therapeutic option for Duchenne muscular dystrophy (DMD). Rimeporide (EMD-87580) is expected to act as a muscle-sparing agent and its mode of action means that it is mutation independent\textsuperscript{[1]}.</td>
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**REFERENCES**