Prilocaine hydrochloride

Cat. No.: HY-B0137A
CAS No.: 1786-81-8
Molecular Formula: C₁₃H₂₁ClN₂O
Molecular Weight: 256.77
Target: Na+/K+ ATPase
Pathway: Membrane Transporter/Ion Channel
Storage: Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

<table>
<thead>
<tr>
<th>Description</th>
<th>Prilocaine hydrochloride, an amino amide, is a Na, K-ATPase inhibitor. Prilocaine has neurotoxic effects[1][2].</th>
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<tbody>
<tr>
<td>IC₅₀ &amp; Target</td>
<td>Na, K-ATPase[2]</td>
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</table>

In Vitro
Prilocaine hydrochloride is more potent in inhibiting the Na,K-ATPase of plasma membranes of LM cells (transformed fibroblasts) at 37 °C (43.8 mM) than at 25 °C (28.2 mM)[2].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION


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REFERENCES


Caution: Product has not been fully validated for medical applications. For research use only.

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