Nylidrin hydrochloride

Cat. No.: HY-B1404
CAS No.: 849-55-8
Molecular Formula: C₁₉H₂₆ClNO₂
Molecular Weight: 335.87
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: ≥ 41 mg/mL (122.07 mM)
H₂O: 5 mg/mL (14.89 mM; Need ultrasonic)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

<table>
<thead>
<tr>
<th>Solvent</th>
<th>Mass (mL)</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>2.9773 mL</td>
<td>14.8867 mL</td>
<td>29.7734 mL</td>
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<tr>
<td>5 mM</td>
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<tr>
<td>0.5955 mL</td>
<td>2.9773 mL</td>
<td>5.9547 mL</td>
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<tr>
<td>10 mM</td>
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<td></td>
</tr>
<tr>
<td>0.2977 mL</td>
<td>1.4887 mL</td>
<td>2.9773 mL</td>
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</tr>
</tbody>
</table>

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

BIOLOGICAL ACTIVITY

Description
Nylidrin hydrochloride was an effective inhibitor of IgE-mediated release of histamine from passively sensitized rat peritoneal mast cells and human basophils, and of IgG1-mediated release of histamine from passively sensitized guinea pig lung slices.

REFERENCES

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

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