**Sophocarpine, HERG K⁺ channel blocker ab143179**

### Overview

<table>
<thead>
<tr>
<th><strong>Product name</strong></th>
<th>Sophocarpine, HERG K⁺ channel blocker</th>
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<tbody>
<tr>
<td><strong>Description</strong></td>
<td>HERG K⁺ channel blocker and Na⁺ channel inward current inhibitor</td>
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<tr>
<td><strong>Biological description</strong></td>
<td>HERG K⁺ channel blocker (IC₅₀ = 100-300 μM) and Na⁺ channel inward current inhibitor. Activates the AMPK signaling pathway. Inhibits Coxsackie B virus. Shows hepatoprotective and antiviral effects in vivo.</td>
</tr>
<tr>
<td><strong>CAS Number</strong></td>
<td>6483-15-4</td>
</tr>
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</table>

### Properties

| **Chemical name** | (-)-(7aS,13aR,13bR,13cS)-2,3,6,7,7a,8,13,13a,13b,13c-Decahydro-1H,5H,10H-dipyrido[2,1-f:3,2,1-ij][1,6]naphthyridin-10-one |
| **Molecular weight** | 246.35 |
| **Molecular formula** | C₁₅H₂₂N₂O |
| **PubChem identifier** | 115269 |

### Storage instructions

Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.

### Handling

Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

### SMILES

C1CC2CN3C(CC=CC3=O)C4C2N(C1)CCC4

### Source

Synthetic

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