**Product datasheet**

**Methyllycaconitine citrate (MLA) ab120072**

4 References

**Overview**

<table>
<thead>
<tr>
<th>Product name</th>
<th>Methyllycaconitine citrate (MLA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>α7 Nicotinic receptor antagonist</td>
</tr>
<tr>
<td>Biological description</td>
<td>Potent, selective antagonist at α7-containing nicotinic receptors.</td>
</tr>
</tbody>
</table>

Also available in simple stock solutions ([ab146684](#)) - add 1 ml of water to get an exact, ready-to-use concentration.

**Purity**

> 98%

**Properties**

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>[1α,4(S),6β,14α,16β]-20-Ethyl-1,6,14,16-tetramethoxy-4-[[2-(3-methyl-2,5-dioxo-1-pyrrolidinyl)benzoyloxy]methyl]aconitane-7,8-diol citrate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Molecular weight</td>
<td>874.92</td>
</tr>
<tr>
<td>Chemical structure</td>
<td><img src="image" alt="Chemical structure" /></td>
</tr>
</tbody>
</table>

**Molecular formula**  
C_{37}H_{50}N_{2}O_{10}.C_{6}H_{8}O_{7}

**CAS Number**  
112825-05-5

**Storage instructions**  
Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.

**Solubility overview**  
Soluble in water to 100 mM

**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 usable 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.

Source: Delphinium

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