



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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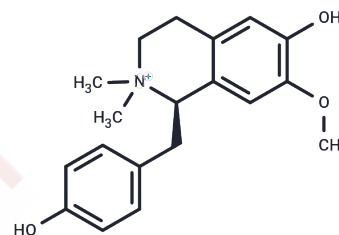
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## Lotusine

## Chemical Properties

|                   |                                                          |
|-------------------|----------------------------------------------------------|
| CAS No. :         | 6871-67-6                                                |
| Formula:          | C <sub>19</sub> H <sub>24</sub> NO <sub>3</sub>          |
| Molecular Weight: | 314.4                                                    |
| Appearance:       | no data available                                        |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year |



## Biological Description

|               |                                                                                                                                                                                                |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description   | Lotusine is a pure alkaloid extracted from the <i>Nelumbo nucifera</i> Gaertn. It shows effects on the action potentials in the myocardium and slow inward current in cardiac Purkinje fibers. |
| Targets(IC50) | Others                                                                                                                                                                                         |

## Solubility Information

|            |                                                                                                                         |
|------------|-------------------------------------------------------------------------------------------------------------------------|
| Solubility | DMSO: 3.14 mg/mL (10 mM), Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|-------------------------------------------------------------------------------------------------------------------------|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 3.1807 mL | 15.9033 mL | 31.8066 mL |
| 5 mM  | 0.6361 mL | 3.1807 mL  | 6.3613 mL  |
| 10 mM | 0.3181 mL | 1.5903 mL  | 3.1807 mL  |
| 50 mM | 0.0636 mL | 0.3181 mL  | 0.6361 mL  |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

## Reference

Le Crouéour G, et al. Lotusine G: a new cyclopeptide alkaloid from *Zizyphus lotus*. *Fitoterapia*. 2002 Feb;73(1):63-8.

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