1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( C_{30}H_{34}O_{13} \)
Batch Molecular Weight: 602.59
Physical Appearance: White solid
Solubility: ethanol to 50 mM with gentle warming
DMSO to 100 mM
Storage: Store at RT
Batch Molecular Structure:

![Molecular Structure](image)

2. ANALYTICAL DATA

Melting Point: Between 200 - 202°C
HPLC: Shows 98% purity
\(^1H\) NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Optical Rotation: \([\alpha]_D = -29.8\) (Concentration = 1, Solvent = Ethanol)
Microanalysis:

<table>
<thead>
<tr>
<th>Element</th>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>59.8</td>
<td>60.2</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>5.69</td>
<td>5.67</td>
</tr>
</tbody>
</table>

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Name: Picrotoxin

CAS Number: 124-87-8

Catalog No.: 1128

Batch No.: 17

EC Number: 204-716-6

Description:
GABA<sub>A</sub> receptor antagonist; potent CNS stimulant.

Physical and Chemical Properties:
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Batch Molecular Structure:

![Batch Molecular Structure](image)

Storage: Store at RT

Solubility & Usage Info:
- ethanol to 50 mM with gentle warming
- DMSO to 100 mM

POTENT NEUROTOXIN - TREAT AS EXTREMELY POISONOUS

Stability and Solubility Advice:
Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:


Merck Index 12 7570.