1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C_{20}H_{26}N_{4}O.C_{4}H_{4}O_{4}

**Batch Molecular Weight:** 454.52

**Physical Appearance:** White solid

**Solubility:** DMSO to 100 mM water to 5 mM with gentle warming ethanol to 5 mM

**Storage:** Desiccate at RT

**Batch Molecular Structure:**

![Molecular Structure Image]

2. ANALYTICAL DATA

**HPLC:** Shows 99.9% purity

**{H} NMR:** Consistent with structure

**Mass Spectrum:** Consistent with structure

**Microanalysis:**

<table>
<thead>
<tr>
<th></th>
<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Theoretical</td>
<td>63.42</td>
<td>6.65</td>
<td>12.33</td>
</tr>
<tr>
<td>Found</td>
<td>63.51</td>
<td>6.67</td>
<td>12.32</td>
</tr>
</tbody>
</table>
Product Name: Lisuride maleate
CAS Number: 19875-60-6
IUPAC Name: \( N'-[8(α)-9,10-Didehydro-6-methylergolin-8-yl]-N,N-diethylurea maleate \)
Catalog No.: 4052
EC Number: 243-387-3
Batch No.: 2

Description:
Dopamine receptor agonist and anti-Parkinson's agent. Displays high affinity for \( D_2 \), \( D_3 \) and \( D_4 \) receptors along with 5-HT\( _1A \). Exhibits some 5-HT\( _2B \) receptor antagonist properties. Decreases prolactin release; reduces inflammatory mediators such as TNF-\( α \) and IL6. Exhibits anticonvulsive effects. Acts similar to bromocriptine (Cat. No. 0427).

Physical and Chemical Properties:
Batch Molecular Formula: \( C_{20}H_{29}N_4O_6.C_4H_4O_4 \)
Batch Molecular Weight: 454.52
Physical Appearance: White solid
Minimum Purity: >99%

Storage: Desiccate at RT
CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

Solubility & Usage Info:
DMSO to 100 mM
water to 5 mM with gentle warming
ethanol to 5 mM

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:

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use