Product Name: MDL 72527
Catalog No.: 3709  Batch No.: 1
CAS Number: 93565-01-6
IUPAC Name: \( N^1, N^4 \)-Di-2,3-butadienyl-1,4-butane diamine dihydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: \( C_{12}H_{20}N_2 \cdot 2HCl \)
Batch Molecular Weight: 265.23
Physical Appearance: Pale pink solid
Solubility:
- Water to 100 mM
- DMSO to 75 mM
- Ethanol to 25 mM
Storage: Desiccate at +4°C

2. ANALYTICAL DATA

\(^1\)H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

<table>
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<tr>
<th></th>
<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
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<td>Theoretical</td>
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</table>
Product Name: MDL 72527

CAS Number: 93565-01-6
IUPAC Name: \(N^1, N^4\)-Di-2,3-butadienyl-1,4-butanediamine dihydrochloride

Description:
Polyamine oxidase (POA) inhibitor. Does not inhibit monoamine oxidase or D-Amino acid oxidase. Displays anticancer and neuroprotective activity in vivo.

Physical and Chemical Properties:
Batch Molecular Formula: \(C_{12}H_{20}N_8\cdot2HCl\)
Batch Molecular Weight: 265.23
Physical Appearance: Pale pink solid

Storage: Desiccate at +4°C

Solubility & Usage Info:
- Water to 100 mM
- DMSO to 75 mM
- Ethanol to 25 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:
