1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $\text{C}_8\text{H}_9\text{Cl}_2\text{N}.\text{HCl}$

Batch Molecular Weight: 226.53

Physical Appearance: Off-white solid

Solubility: water to 100 mM with gentle warming

DMSO to 100 mM with gentle warming

Storage: Desiccate at RT

Batch Molecular Structure:

2. ANALYTICAL DATA

TLC: $R_f = 0.5$ (Chloroform:Methanol:Ammonia soln. [80:20:1])

HPLC: Shows 99.1% purity

$^1$H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis: Carbon Hydrogen Nitrogen

<table>
<thead>
<tr>
<th></th>
<th>Theoretical</th>
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<tbody>
<tr>
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<tr>
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Product Name: LY 78335 Catalog No.: 4060 Batch No.: 1

CAS Number: 39959-66-5
IUPAC Name: 2,3-Dichloro-α-methylbenzylamine hydrochloride

Description:
High affinity inhibitor of phenylethanolamine-N-methyltransferase (PNMT) (Ki = 0.09 μM in vitro). Suppresses the release of growth hormone in an in vivo rat model.

Physical and Chemical Properties:
Batch Molecular Formula: C11H9Cl2N.HCl
Batch Molecular Weight: 226.53
Physical Appearance: Off-white solid
Minimum Purity: >99%

Storage:
Desiccate at RT

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

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: