Product Name: Etodolac

CAS Number: 41340-25-4

IUPAC Name: (RS)-2-(1,8-Diethyl-4,9-dihydro-3H-pyrano[3,4-b]indol-1-yl)acetic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

   Batch Molecular Formula: C_{17}H_{21}NO_{3}
   Batch Molecular Weight: 287.35
   Physical Appearance:
   Solubility: DMSO to 100 mM ethanol to 100 mM
   Storage: Store at +4°C
   Batch Molecular Structure:

2. ANALYTICAL DATA

   HPLC: Shows 99.7% purity
   ¹H NMR: Consistent with structure
   Mass Spectrum: Consistent with structure
   Microanalysis:

<table>
<thead>
<tr>
<th>Element</th>
<th>Theoretical</th>
<th>Found</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon</td>
<td>71.06</td>
<td>70.89</td>
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<tr>
<td>Hydrogen</td>
<td>7.37</td>
<td>7.36</td>
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<tr>
<td>Nitrogen</td>
<td>4.87</td>
<td>4.93</td>
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</tbody>
</table>
Product Name: Etodolac
Catalog No.: 3871    Batch No.: 1

CAS Number: 41340-25-4
IUPAC Name: (RS)-2-{1,8-Diethyl-4,9-dihydro-3H-pyrano[3,4-b]indol-1-yl}acetic acid

Description: Non-steroidal anti-inflammatory drug (NSAID) that selectively inhibits cyclooxygenase-2 (COX-2) (IC50 values are 53 and >100 μM for COX-2 and COX-1 respectively). Displays anti-inflammatory effects in both adjuvant arthritic and normal rats.

Physical and Chemical Properties:
Batch Molecular Formula: C17H17NO3
Batch Molecular Weight: 287.35
Physical Appearance:

Batch Molecular Structure:

Storage: Store at +4°C

Solubility & Usage Info:
DMSO to 100 mM
ethanol to 100 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: