# Product datasheet

## Bestatin hydrochloride, aminopeptidase inhibitor

### Overview

<table>
<thead>
<tr>
<th><strong>Product name</strong></th>
<th>Bestatin hydrochloride, aminopeptidase inhibitor</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
<td>Potent, specific aminopeptidase inhibitor</td>
</tr>
<tr>
<td><strong>Purity</strong></td>
<td>&gt; 98%</td>
</tr>
<tr>
<td><strong>CAS Number</strong></td>
<td>65391-42-6</td>
</tr>
</tbody>
</table>

### Chemical structure

![Chemical structure of Bestatin hydrochloride](image)

### Properties

<table>
<thead>
<tr>
<th><strong>Chemical name</strong></th>
<th>(2S)-2-[(2S,3R)-3-Amino-2-hydroxy-4-phenylbutanoyl]amino]-4-methylpentanoic acid hydrochloride</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Molecular weight</strong></td>
<td>344.87</td>
</tr>
<tr>
<td><strong>Molecular formula</strong></td>
<td>C_{16}H_{24}N_{2}O_{4}.HCl</td>
</tr>
<tr>
<td><strong>PubChem identifier</strong></td>
<td>11957481</td>
</tr>
</tbody>
</table>

### Storage instructions

Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.

### Solubility overview

Soluble in water to 50 mM and in DMSO

### Handling

Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Refer to SDS for further information.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions (FAQ) page](#) for more details.

### SMILES

CC(C)CC(C(=O)O)NC(=O)C(C(C1=CC=CC=C1)N)O.Cl

### Source

Synthetic
Chemical Structure - Bestatin hydrochloride, aminopeptidase inhibitor

2D chemical structure image of ab142405, Bestatin hydrochloride, aminopeptidase inhibitor

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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