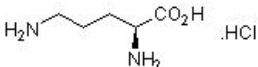


Product datasheet

# L-Ornithine hydrochloride, Nonproteinogenic amino acid ab143675

1 Image

Overview

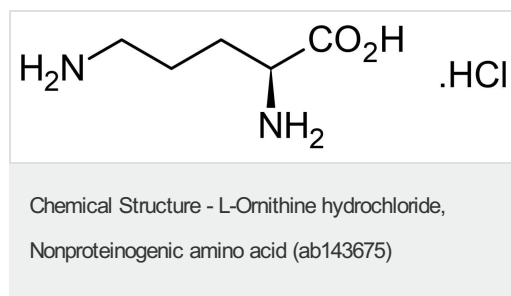
<b>Product name</b>	L-Ornithine hydrochloride, Nonproteinogenic amino acid
<b>Description</b>	Nonproteinogenic amino acid
<b>Biological description</b>	Nonproteinogenic amino acid. Intermediate metabolite in the urea cycle. Necessary for the biosynthesis of L-arginine ( <a href="#">ab120750</a> ), L-proline and polyamines <i>in vivo</i> . Orally active.
<b>Purity</b>	> 98%
<b>CAS Number</b>	3184-13-2
<b>Chemical structure</b>	

Properties

<b>Chemical name</b>	(2S)-2,5-diaminopentanoic acid hydrochloride
<b>Molecular weight</b>	168.62
<b>Molecular formula</b>	C <sub>5</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub> .HCl
<b>PubChem identifier</b>	76654
<b>Storage instructions</b>	Store at Room Temperature. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in water to 100 mM
<b>Handling</b>	<p>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.</p> <p>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.</p>
<b>SMILES</b>	C(CC(C(=O)O)N)CN.Cl
<b>Source</b>	Synthetic

## Images

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2D chemical structure image of ab143675, L-Ornithine hydrochloride, Nonproteinogenic amino acid

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

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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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