

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	05623
<b>Product</b>	<b>Benzoyl-L-citrulline methyl ester</b>  Bz-L-Cit-OMe  (S)-2-Bz-amino-5-ureidopentanoic acid methyl ester
<b>CAS Number</b>	14325-36-1
<b>Molecular Formula</b>	C <sub>14</sub> H <sub>19</sub> N <sub>3</sub> O <sub>4</sub>
<b>Molecular Weight</b>	293.2
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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear, colorless solution (50 mg/ml in methanol)
<b>Melting Point</b>	149-158 °C
<b>Elemental Analysis (Found)</b>	C = 57.33 ± 0.5%; H = 6.53 ± 0.5%; N = 14.33 ± 0.5%; Calculated as H <sub>2</sub> O
<b>Water Content (Karl Fisher)</b>	≤ 0.5%
<b>TLC System</b>	Chloroform/Methanol/Acetic acid 32% (5:3:1) Chloroform/Methanol/Acetic acid (77.5:15:7.5) Chloroform/Methanol/Benzene/H <sub>2</sub> O (8:8:8:1) Plate: Silica gel 60 F <sub>254</sub> Detected by: UV, ninhydrin, chlorine-tolidine
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>24</sup> = -15 ± 2° (C=1% in Methanol)
<b>Purity by TLC</b>	≥ 98%
<b>Storage</b>	Store at 0-8°C

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**For Laboratory Use Only**