

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	41616
<b>Product</b>	<b>(S)-<math>\beta</math>-(Carbobenzoxv amino)-<math>\gamma</math>-butyrolactone</b> (S)- $\beta$ -(Cbz-amino)- $\gamma$ -butyrolactone (S)-4-(Carbobenzoxyamino)tetrahydrofuran-2-one
<b>CAS Number</b>	87219-29-2
<b>Molecular Formula</b>	C <sub>12</sub> H <sub>13</sub> NO <sub>4</sub>
<b>Molecular Weight</b>	235.24

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<b>Synonym 3</b>	(S)-4-(Cbz-amino)tetrahydrofuran-2-one
<b>Synonym 4</b>	Benzyl (S)-Tetrahydro-5-oxo-3-furanylcarbamate
<b>Appearance</b>	White to off-white crystalline powder
<b>Solubility</b>	Soluble in chloroform
<b>Melting Point</b>	103 - 107 °C
<b>Optical Rotation</b>	[ $\alpha$ ] <sub>20D</sub> = -57 to -53 ° (C = 1 in CHCl <sub>3</sub> )
<b>Infrared Spectrum</b>	Conforms to structure
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	≥ 98%
<b>Storage</b>	Store at RT

**For Laboratory Use Only**