

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	41395
<b>Product</b>	<b>(S)-(-)-<math>\alpha</math>-Amino-<math>\gamma</math>-butyrolactone</b> L-Homoserine lactone hydrobromide
<b>CAS Number</b>	15295-77-9
<b>Molecular Formula</b>	C <sub>4</sub> H <sub>7</sub> NO <sub>2</sub> •HBr
<b>Molecular Weight</b>	182.02

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<b>Appearance</b>	White to beige powder or crystals
<b>Melting Point</b>	225 °C (dec.) (Lit.)
<b>Optical Rotation</b>	$[\alpha]_D^{20} = -22$ to $-18^\circ$ (C=1 in H <sub>2</sub> O)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Assay by titration</b>	98.5 - 101.5%
<b>Storage</b>	Store at 2 - 8 °C

**For Laboratory Use Only**