

Certificate of Analysis

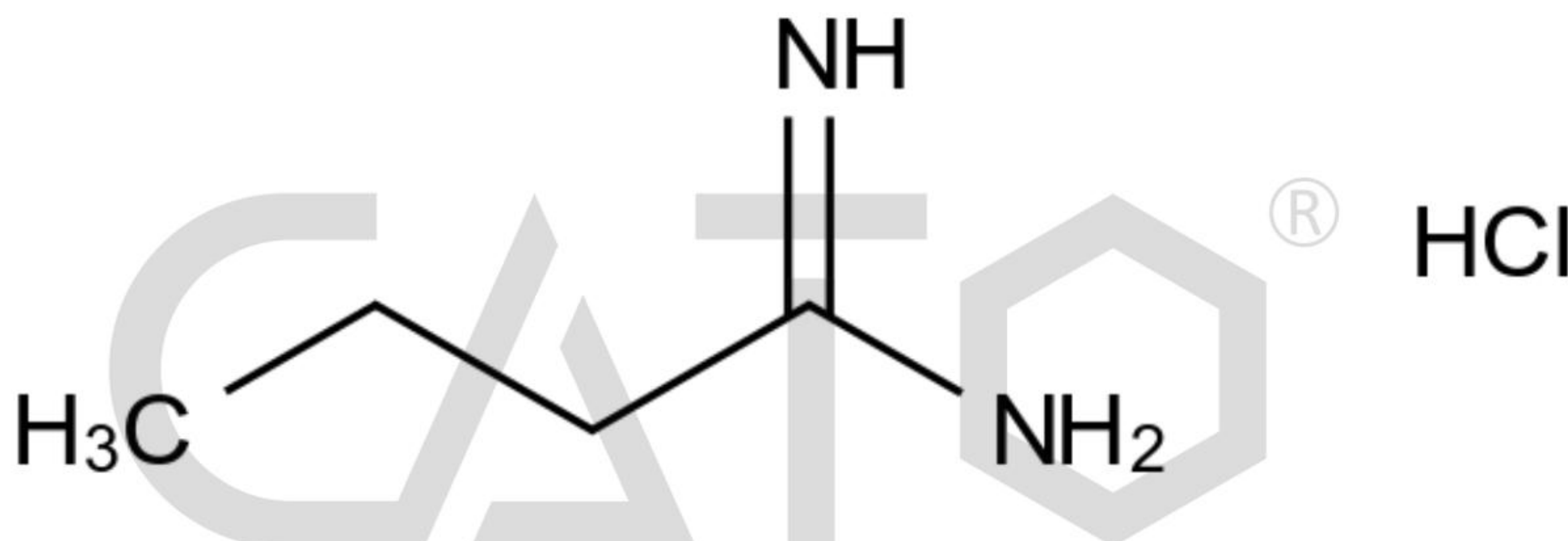
Reference Material & Standard

Product Name:	Butyramidine Hydrochloride	Catalogue Number:	CCHM705726
Synonyms:	N/A	Lot Number:	0818-RH-0047
CAS Number:	3020-81-3	Expiry Date:	Aug 19, 2030
Molecular Formula:	C ₄ H ₁₀ N ₂ HCl	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	86.14 36.46	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	ELSD	99.3%
Assay	qNMR	90.1%
Uncertainty		±1.8%

Comment:

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Nice

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Aug 20, 2026

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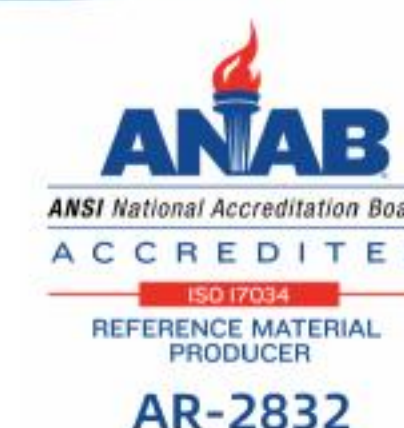
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