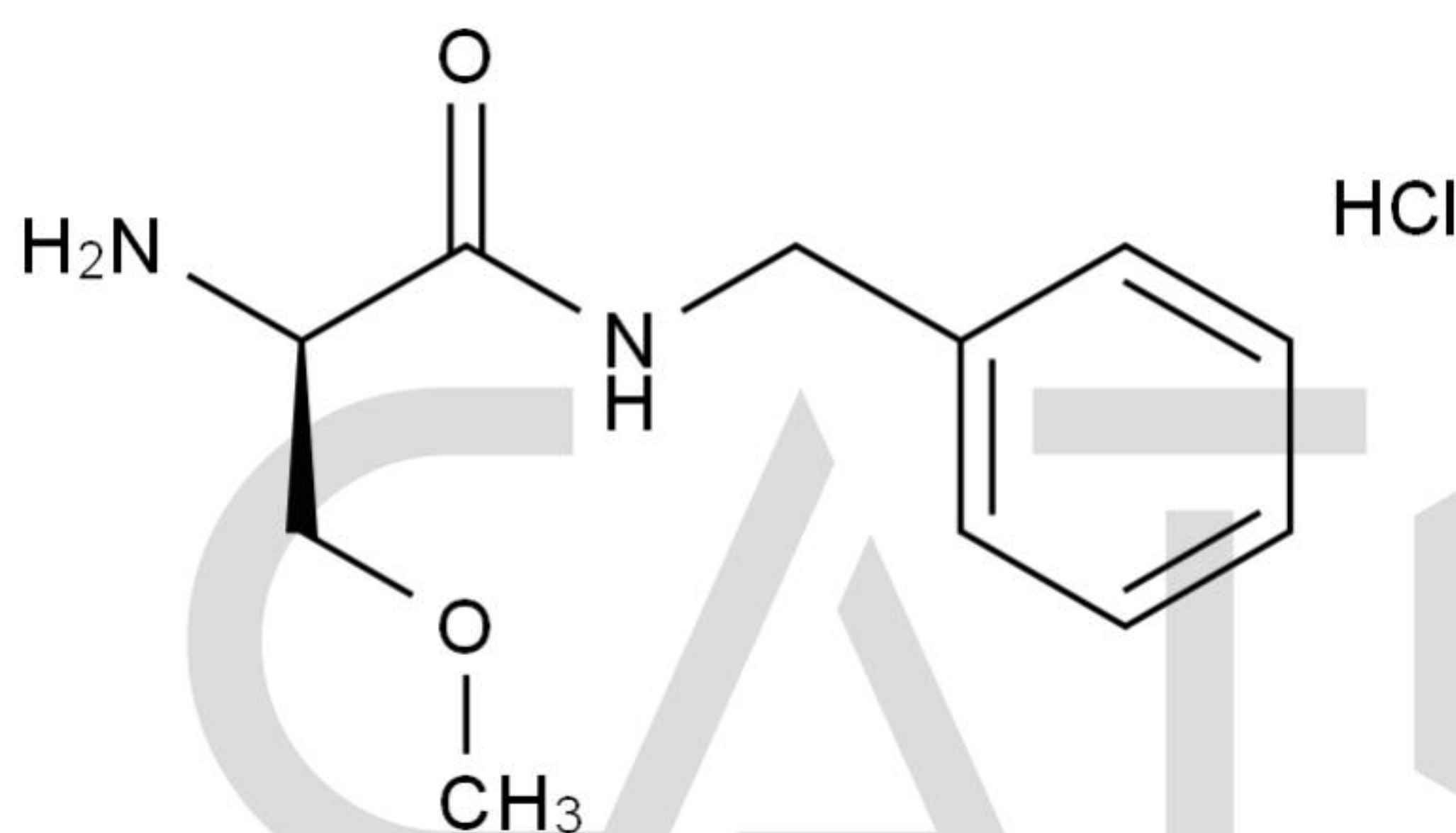


Certificate of Analysis

Reference Material & Standard

Product Name:	Lacosamide EP Impurity D HCl (R-isomer)	Catalogue Number:	C4X-183011
Synonyms:	N/A	Lot Number:	0204-RH-0064
CAS Number:	1322062-76-9	Expiry Date:	Feb 01, 2030
Molecular Formula:	C ₁₁ H ₁₆ N ₂ O ₂ HCl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	208.26 36.46	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Oil
Identification	LCMS&UV&HNMR	Confirmed
Purity	HPLC	98.739%
Water Content	Karl Fischer	0.32%
Residual Solvents	NMR	Not detected in NMR
Assay		98.4%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Water Content - Residual Solvents) * Purity HPLC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Reviewed by:

Approved by General Manager:

Date: Feb 05, 2026

Date: Feb 06, 2026

Date: Feb 06, 2026



Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

