

Certificate of Analysis

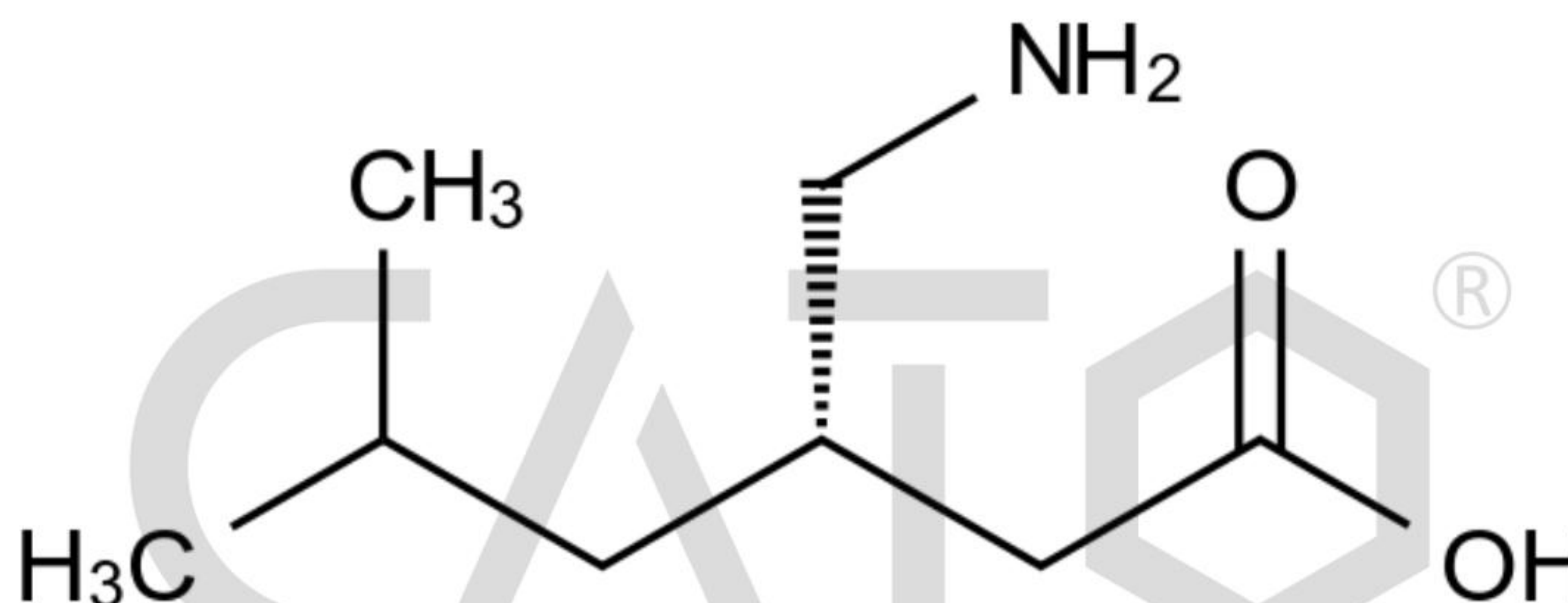
Reference Material & Standard

Product Name:	Pregabalin	Catalogue Number:	CCAD301630
Synonyms:	N/A	Lot Number:	0817-RH-0032
CAS Number:	148553-50-8	Expiry Date:	Aug 18, 2030
Molecular Formula:	C ₈ H ₁₇ NO ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	159.23	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	ELSD	100.000%
Residue on Ignition	TGA	0.3142%
Loss on Drying	TGA	0.4134%
Assay		99.3%
Uncertainty		±0.1%

Comment:

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

$$\text{Assay (\%)} = (100\% - \text{Residue on Ignition} - \text{Loss on Drying}) * \text{Purity ELSD (\%)} / 100\%$$
 Residue on Ignition and Loss on Drying are considered as absolute effect, ELSD purity is considered as relative effect.
- 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:

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Date: Aug 19, 2026

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