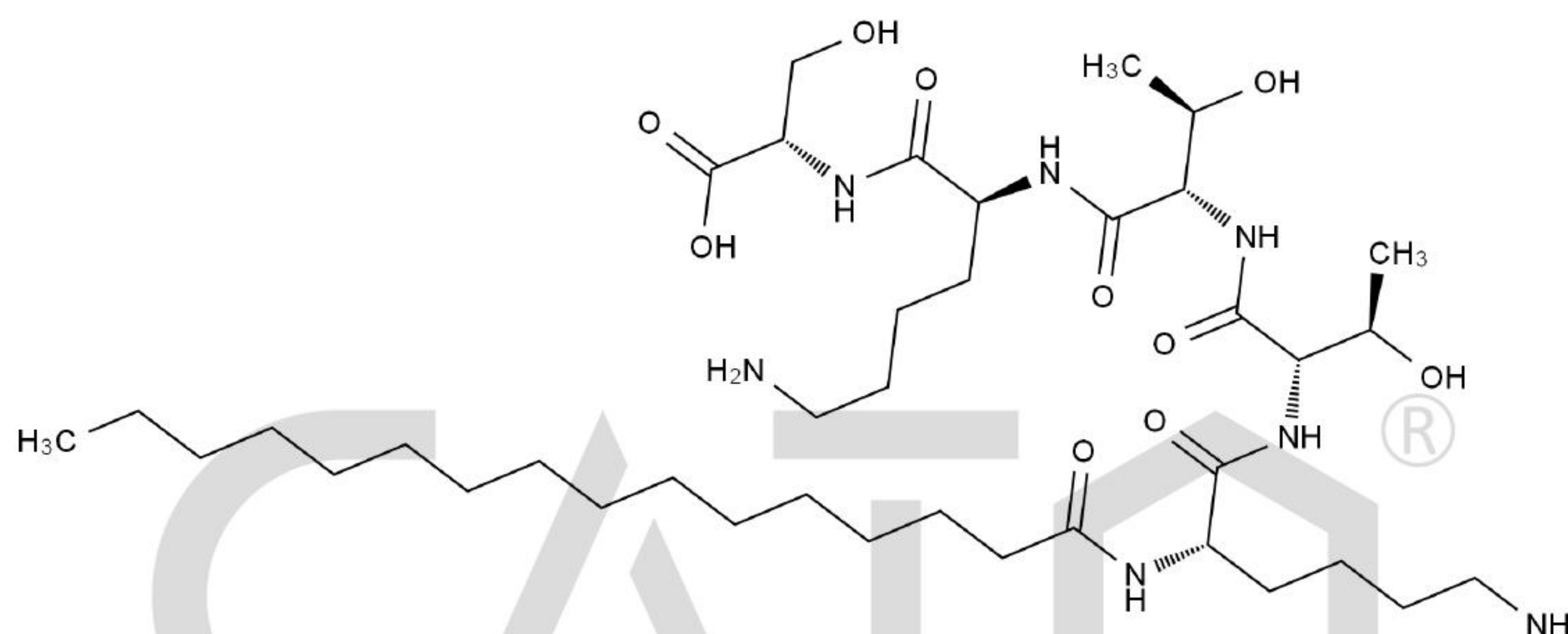


Certificate of Analysis

Reference Material & Standard

Product Name:	Palmitoyl Pentapeptide-4	Catalogue Number:	CCHM700851
Synonyms:	N/A	Lot Number:	0327-RF-0038
CAS Number:	214047-00-4	Expiry Date:	Mar 28, 2027
Molecular Formula:	C39H75N7O10	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	802.05		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.013%
Loss On Drying	TGA	2.0854%
Assay		96.9%
Uncertainty		±2.0%

Comment:

- The calculation of the 100% method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Loss On Drying}) * \text{Purity HPLC (\%)} / 100\%$$

Loss On Drying is considered as absolute effect, HPLC 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:

Prepared by:

Nice

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Mar 29, 2024

Date: Mar 29, 2024

Date: Mar 29, 2024

