

Certificate of Analysis

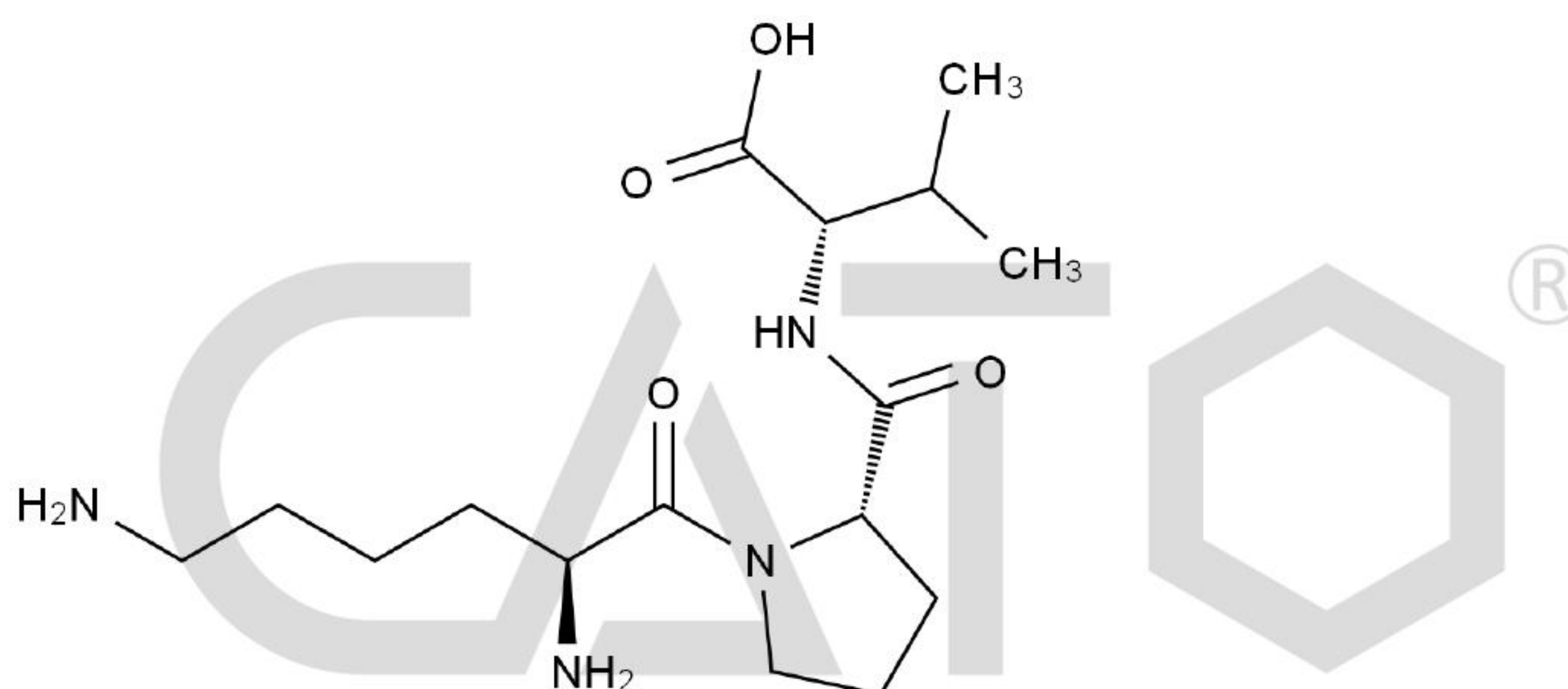
Reference Material & Standard

Product Name:	α -MSH (11-13) (free acid)	Catalogue Number:	CPTD784457
Synonyms:	N/A	Lot Number:	0909-RH-0014
CAS Number:	67727-97-3	Expiry Date:	Sep 14, 2030
Molecular Formula:	$C_{16}H_{30}N_4O_4$	Storage:	-20°C $\pm$ 5°C Protected from light and Sealed
Molecular Weight:	342.43	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.518%
Water Content	Karl Fischer	14.5109%
Assay		85.1%

Comment:

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

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

Water Content is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Sep 15, 2026

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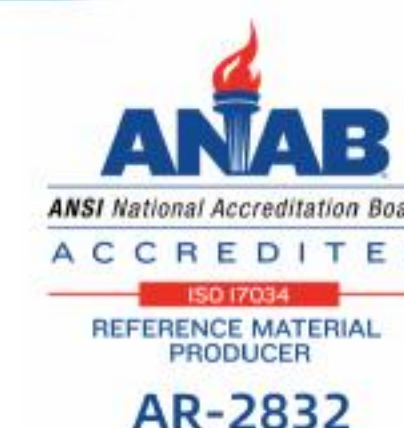
Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

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

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