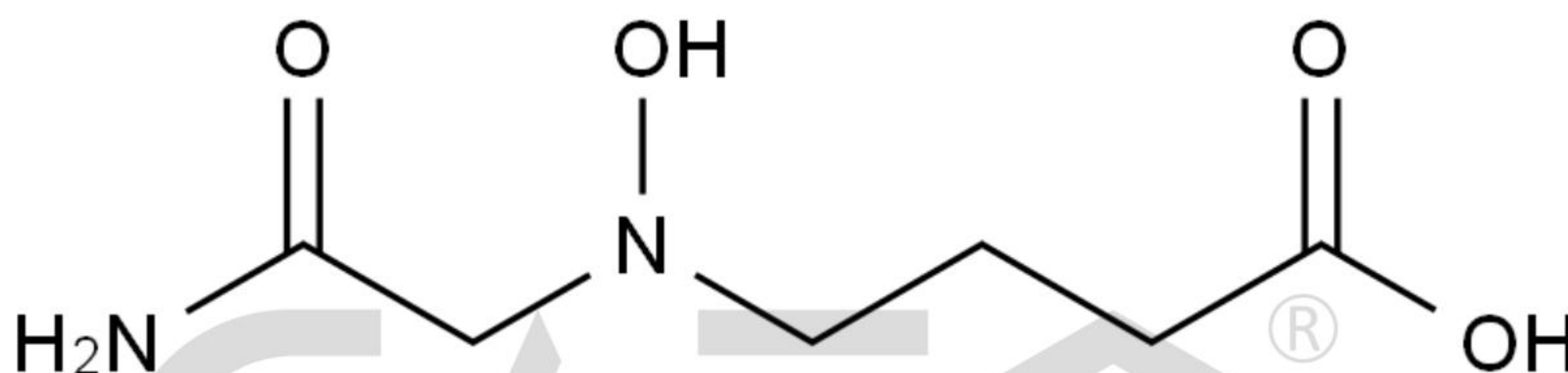


Certificate of Analysis

Reference Material & Standard

Product Name:	Piracetam Impurity N5	Catalogue Number:	CP129791
Synonyms:	N/A	Lot Number:	0424-RE-0084
CAS Number:	2454698-45-2	Expiry Date:	May 07, 2026
Molecular Formula:	C ₆ H ₁₂ N ₂ O ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	176.17	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Orange Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	ELSD	93.650%
Water Content	Karl Fischer	8.26%
Assay		85.9%

Comment:

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

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

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

Signature:

Prepared by:

Koi

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: May 24, 2024

Date: May 24, 2024

Date: May 24, 2024

