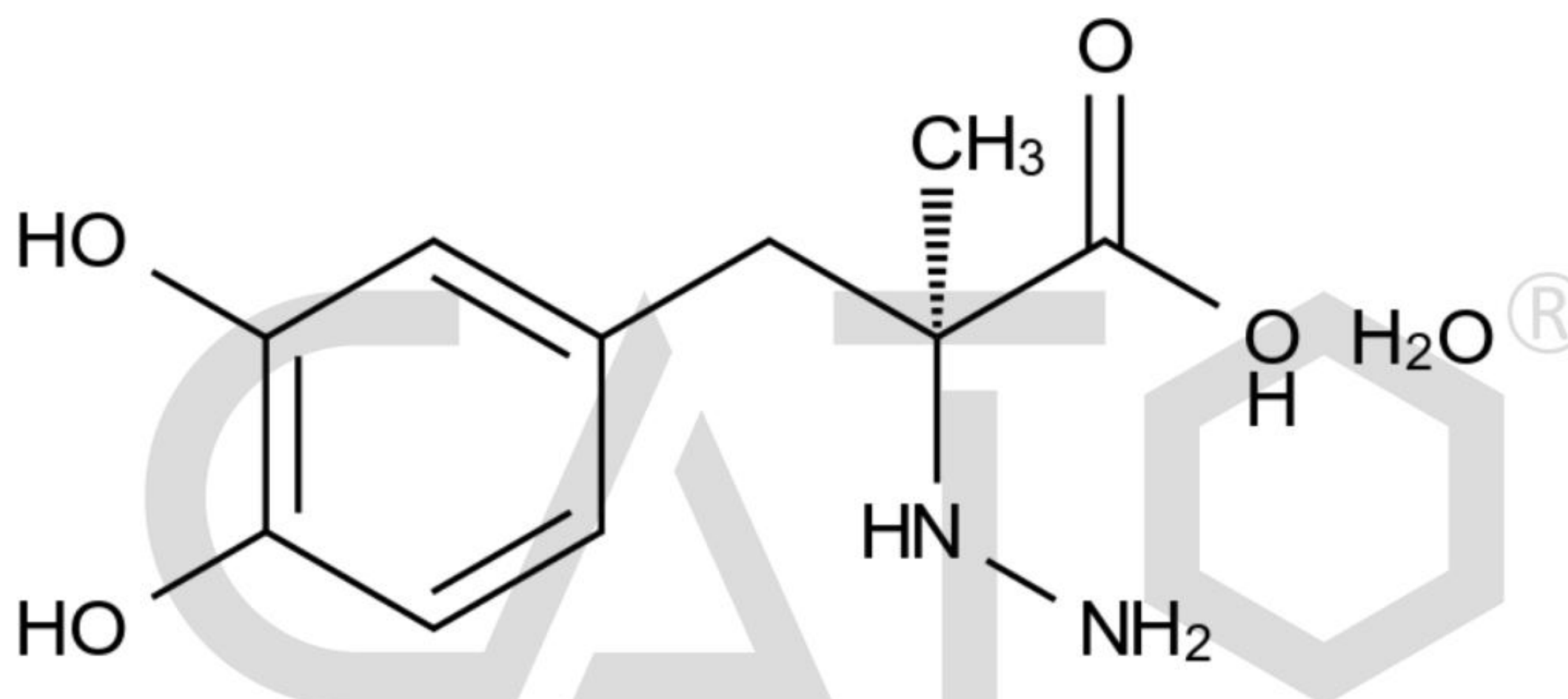


Certificate of Analysis

Reference Material & Standard

Product Name:	Carbidopa	Catalogue Number:	CP135614
Synonyms:	N/A	Lot Number:	1218-RG-0076
CAS Number:	38821-49-7	Expiry Date:	Dec 21, 2029
Molecular Formula:	C ₁₀ H ₁₄ N ₂ O ₄ · H ₂ O	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	226.23 18.02	Shipping Condition:	Shipping at Room Temperature
Solubility:	DMSO	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.360%
Loss On Drying	TGA	7.4495%
Loss On Drying(Free Water)		0.0718%
Assay		99.3%

Comment:

- The content of crystal water is 7.3777%.
- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Loss On Drying(Free Water)}) * \text{Purity HPLC (\%)} / 100\%$$
 Loss On Drying(Free Water) 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: Dec 22, 2025

Date: Dec 22, 2025

Date: Dec 22, 2025



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>

