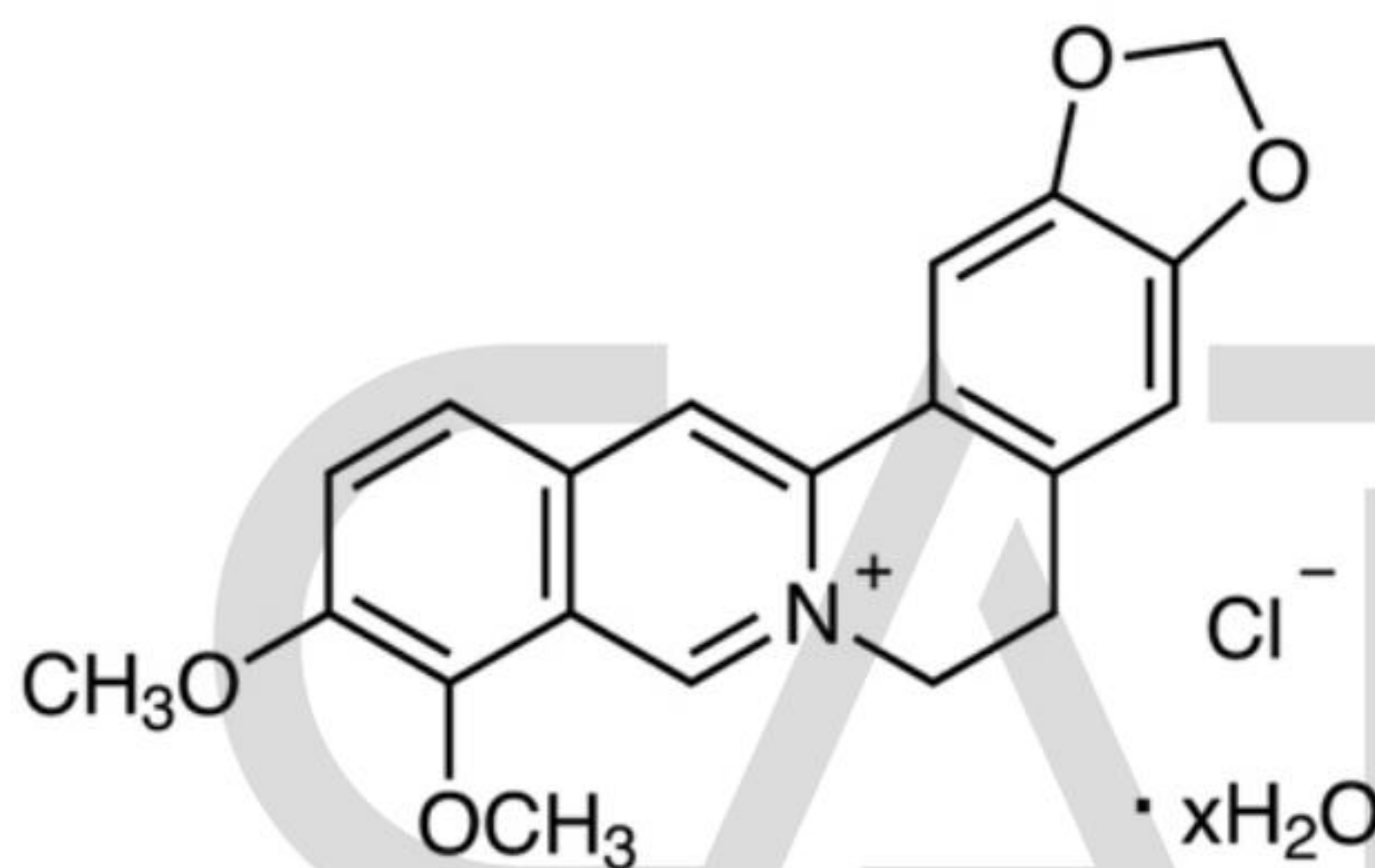


Certificate of Analysis

Reference Material & Standard

Product Name:	Berberine Chloride hydrate	Catalogue Number:	CCPE902361
Synonyms:	N/A	Lot Number:	0507-RH-0067
CAS Number:	141433-60-5	Expiry Date:	May 10, 2030
Molecular Formula:	$C_{20}H_{18}NO_4 \cdot Cl \cdot xH_2O$	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	336.36 35.45 x(18.02)	Shipping Condition:	Shipping at Room Temperature
Solubility:	Acetonitrile	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.4%
Assay	qNMR	90.1%
Uncertainty		±1.8%

Comment:

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: May 11, 2026

Date: May 11, 2026

Date: May 11, 2026



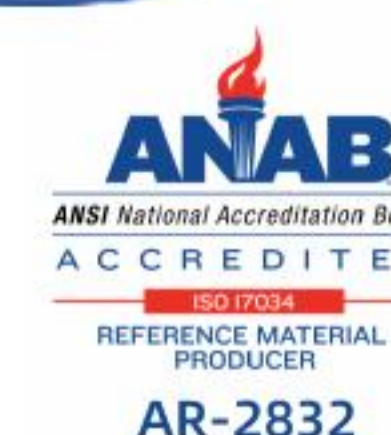
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