



Elemental

Certificate of Analysis

Reference Material

Product name

Lithocholic Acid

IUPAC / Chemical name

(4R)-4-[(3R,5R,8R,9S,10S,13R,14S,17R)-3-hydroxy-10,13-dimethyl-2,3,4,5,6,7,8,9,11,12,14,15,16,17-tetradecahydro-1H-cyclopenta[a]phenanthren-17-yl]pentanoic acid

Catalogue number

CEC1-3343.12

Long-term storage

+5°C, dark and dry

CAS number

434-13-9

Shipping conditions

Room Temperature

Appearance

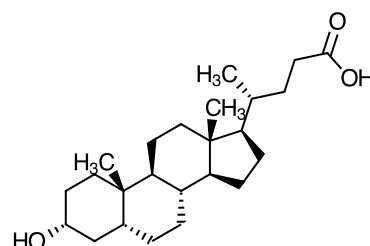
White, Solid

Lot number

XXVI-VI00372

Molecular weight

376.58 g/mol

Molecular formula $C_{24}H_{40}O_3$ 

Analytical Information

Test description		Specifications	Results
Identity	$^1H, ^{13}C$ NMR	Conforms to Structure	Structure confirmed
	FTIR	Conforms to Structure	Structure confirmed
	HRMS	Conforms to Structure	Structure confirmed
Purity	q-NMR	>95%	99.6 ± 0.2%

Release date 08/2026

Prepared by
LaboratórioApproved by
Laboratory

Retest date 07/2028

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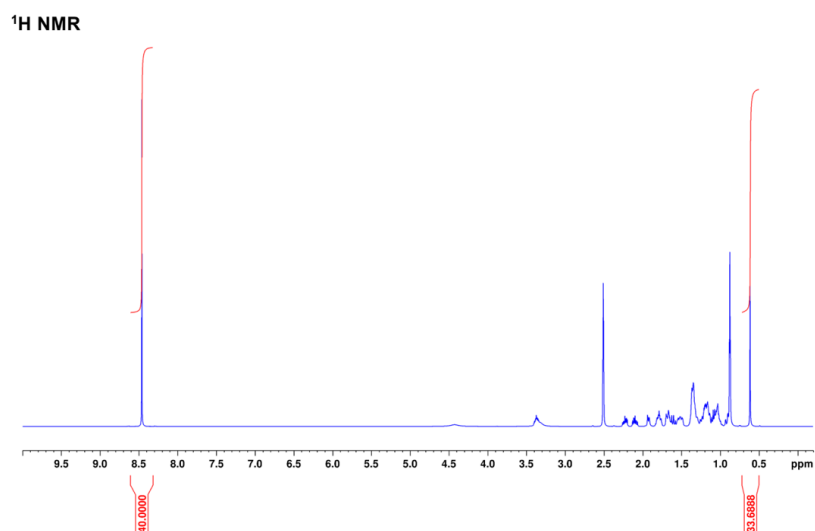
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Purity Confirmation

The purity of the analyte was confirmed by q-NMR.

q-NMR

Conditions	¹ H q-NMR (500 MHz, CDCl ₃)
Internal Standard	1,6 dinitrobenzene (DNB, 99%), signal 8.45 ppm, 4H



Result (n=3)	99.6 ± 0.2%
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Remarks

The compound exhibited a purity of 99.6 ± 0.2%.

