



CERTIFICATE OF ANALYSIS

Certified Reference Material					
Product Name: Vinpocetine					
Chemical Name:	Eburnamenine-14-carboxylic acid, ethyl ester, (3apha, 16alpha)-				
Product information					
Product Code:	RLP-056	Chemical structure:			
Lot No.:	RS-RLP056-01				
Mol. Form:	$C_{22}H_{26}N_2O_2$	0			
Mol. Wt.:	/	0			
CAS Number:	42971-09-5	N			
QC Release Date:	28/08/2024	T A N			
Recertified On:	- ()				
Retest due On:	28/08/2026				
Long Term Storage:	Store at 2-8 °C. Protect	from moisture and light.			
Shipping Condition:	This product is stable t	o be shipped at ambient temperature.			
	Analytical	Information			
Chara	cteristics	Results			
Appearance		White powder			
Melting Point		151.0°C			
IR		Complies			
1H NMR		Complies			
13C NMR		Complies			
Residual solvents		Nil			
Water content		0.21%			
Purity (HPLC)		99.89%			
Total Impurities (HPLC)		0.11%			
Assay / Potency (as is)		99.68%			
* The assay/potency (as is)	is equivalent to the assay based	I on the non-anhydrous and non-dried substances, respectively.			

Release by:	
Chief Scientific Officer	Chief QA Officer





Product Information

Packaging: 100 mg in amber vial

Intended for use

This RM is intended for R&D and laboratory use only and is not suitable for human or animal consumption.

Instruction for handling and correct use:

Before using the RM, it should be allowed to warm to room temperature. No drying is required, as assigned values have already been corrected for the content of water and other volatile materials.

The RM's retest date is based on the unopened flask being stored according to the recommended condition found in the storage file.

The user is responsible for ensuring that the contents of opened vials continue to be suitable for their intended use and that value assignment and information are maintained.

Metrological traceability:

The balances used for gravimetric measurements are calibrated with weights traceable to national standards. Their calibration is verified daily internally and annually by an external accredited calibration service.





Assigned Value

99.68%

$$Assay (\%) = (100\% - Volatile \ content(\%)) \cdot \frac{Purity(\%)}{100\%}$$

The content of the analyte was determined as the ratio of the analyte's peak area to the cumulative areas of the purities, added up to 100%. System peaks were ignored in the calculation.

Area percent report-sorted by signal (n = 5)

Pk#	Retention time	Area	Area %
1	19.001	24535266	99.89%
2	16.080	27273	0.11%
Totals			100%

Volatile Content

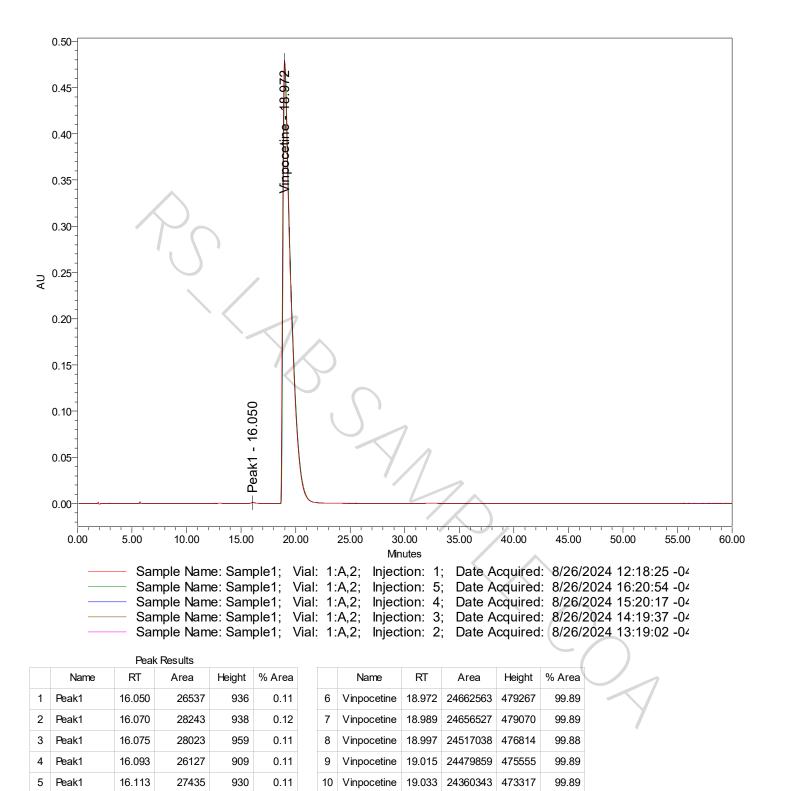
Water content by KF

Result $(n = 3)$	0.21%		
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Residual solvents by NMR

Result:	Nil	7
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Reported by User: RS - System Report Method: Summary Report Method ID: 1388 Project Name: Vinpocetin RS-RLP056-01

Date Printed: 8/27/2024

07:48:50 Etc/GMT+4

% Area Summarized by Name Channel: 2998 Ch1 280nm@4.8nm

	SampleName	lnj	Channel	Vial	Peak1	Vinpocetine
1	Sample1	1	2998 Ch1 280nm@4.8nm	1:A,2	0.11	99.89
2	Sample1	2	2998 Ch1 280nm@4.8nm	1:A,2	0.11	99.89
3	Sample1	3	2998 Ch1 280nm@4.8nm	1:A,2	0.12	99.88
4	Sample1	4	2998 Ch1 280nm@4.8nm	1:A,2	0.11	99.89
5	Sample1	5	2998 Ch1 280nm@4.8nm	1:A,2	0.11	99.89
Mean					0.11	99.89



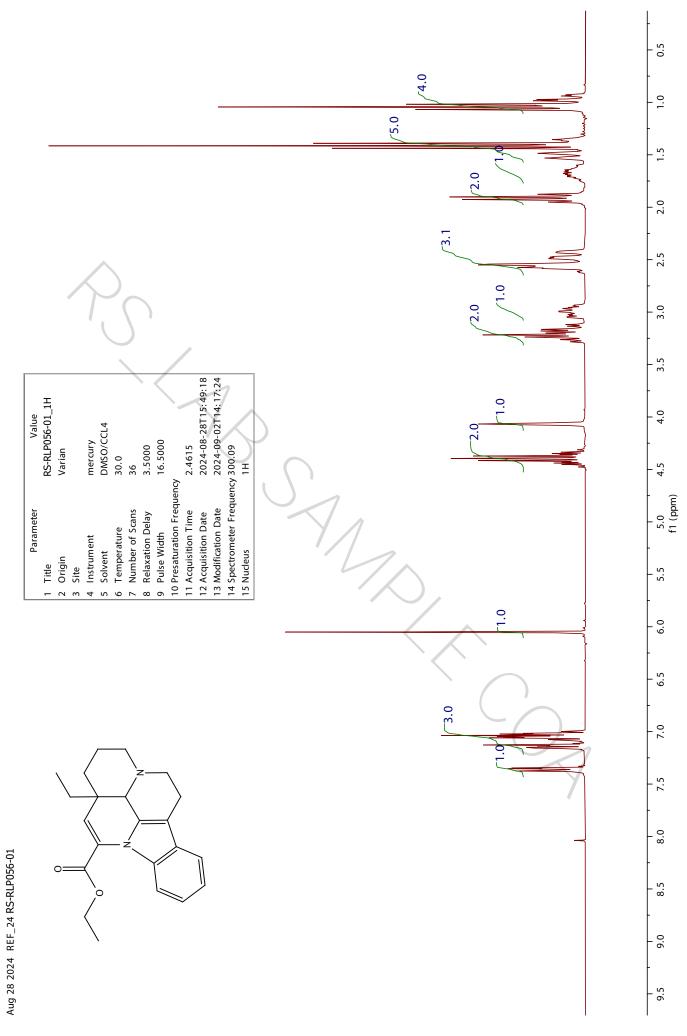
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Peak pick						
Wave number	Abs. intensity	Rel. intensity	Width	Threshold	Shoulder	
2928.40	0.062	0.063	50.453	66.59	0	
2851.34	0.043	0.020	11.467	21.08	0	
1715.22	0.094	0.094	19.384	100.18	0	
1628.28	0.039	0.023	9.008	20.33	0	
1603.96	0.042	0.034	15.706	33.39	0	
1453.64	0.083	0.081	17.047	77.03	0	
1360.36	0.044	0.027	7.112	27.87	0	
1256.87	0.086	0.086	44.817	91.25	0	
1204.63	0.062	0.040	8.655	41.72	0	
1177.78	0.056	0.032	8.456	33.84	0	
1115.51	0.044	0.020	9.673	20.17	0	
1077.61	0.084	0.066	14.849	66.30	0	
1018.66	0.061	0.039	15.001	40.27	0	
744.35	0.079	0.073	15.899	77.39	0	

Spectrum

