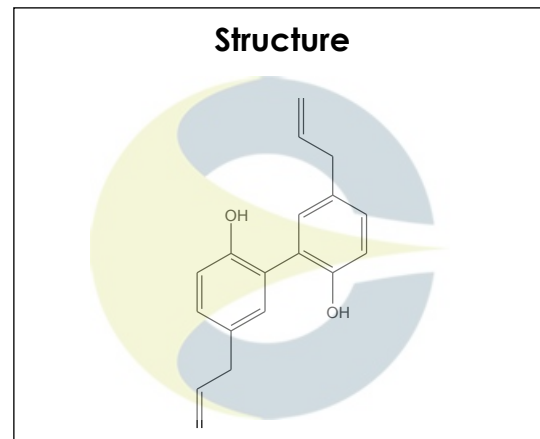


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PRODUCT NAME	Magnolol
PART NUMBER	00013030
STANDARD TYPE	Primary (P)
LOT NUMBER	00013030-301
REPORT NUMBER	CDXA-RSS-8370-02
SAMPLE NUMBER	CDXP-18-01245
DATE OF SAMPLE	11/14/2018
DATE OF REPORT	02/23/2022



CHEMICAL NAMES	5,5'-Di-2-propenyl-[1,1'-biphenyl]-2,2'-diol; 5,5'-Diallyl-2,2'-biphenyldiol
CHEMICAL FORMULA	C ₁₈ H ₁₈ O ₂
MOLECULAR WEIGHT (MW)	266.33
CHEMICAL FAMILY	Phenolics
CAS NUMBER	[528-43-8]
EC#(EINECS)	610-903-7
RTECS	DV5105500

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	≥ 85%	99.8%
HPLC	99.1-04-1.0-000684	≥ 90%	99.9%
NMR	30.1-04-1.0-000733	Conforms to structure	Conforms to structure
Mass Spectrum	99.1-04-3.0-000126	Conforms	Conforms
Residual Solvent*	99.1-CDXA-3.0-000621	NA	Cyclohexane - 0.1%; EtOH < 0.1%
Water	99.1-04-9.0-000094	NA	ND
Appearance	NA	White to off-white powder	Off white

*Testing performed at an ISO 17025 accredited subcontracted laboratory.

ADJUSTED PURITY: 99.8% IS BASED ON (100 - 0.1 SOLVENTS - 0.0 WATER) X 99.9% HPLC

STORAGE CONDITIONS

STORAGE	+4 °C in a dry place.
EXPIRATION DATE	11/2023 under the above conditions.



Digitally signed by
Tiffany Rodgers
Date: 2022.02.23
12:44:31 -07'00'

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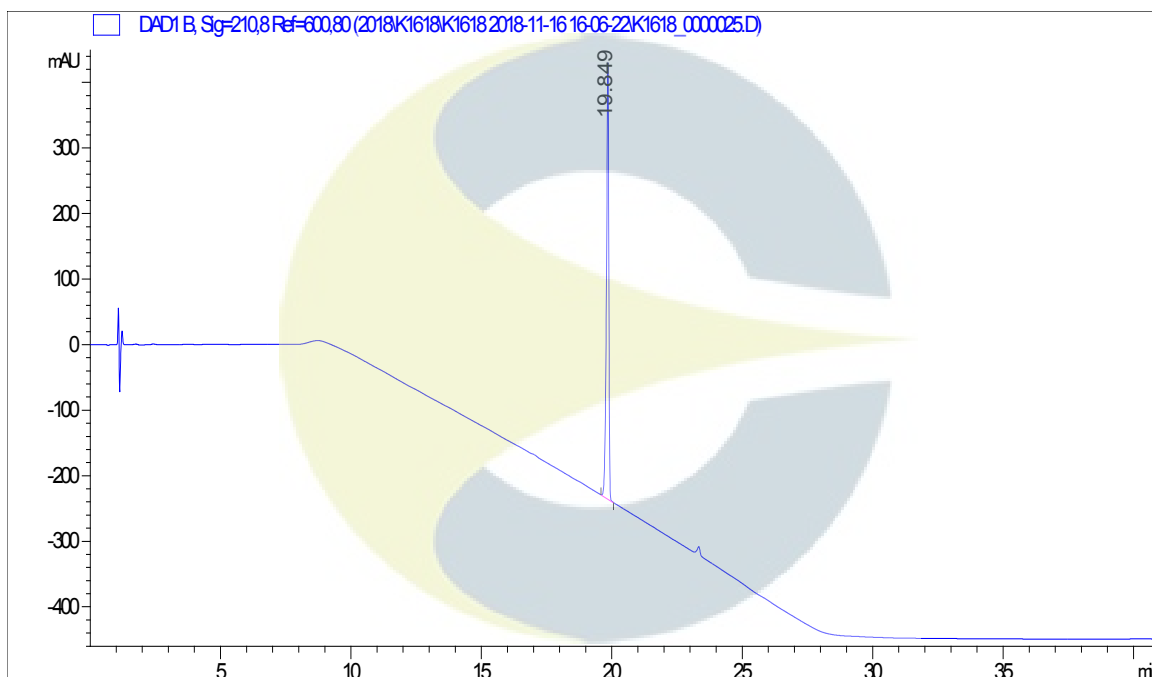
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ANALYTICAL CONDITIONS

INSTRUMENT	AGILENT 1260 HPLC UV-VIS (DAD); AB-SCIEX 6600 TRIPLE TOF
COLUMN	Phenomenex Luna C18(2) 150 x 2.00 mm, 5 µm particle size
MOBILE PHASE	A - 0.1% Trifluoroacetic acid in Ultrapure water, B - Acetonitrile; Isocratic 5% B for 5 minutes, then increasing to 95% B over 20 minutes. Hold at 95% B for 15 minutes.
COLUMN TEMP.	60 °C
FLOW RATE	0.4 mL/minute
INJECTION VOL.	0.2 µL
INJECTION CONC.	1.0 mg/mL in Methanol
DETECTION	210 ± 4 nm

HPLC CHROMATOGRAM OF MAGNOLOL (CDXP-18-01245)

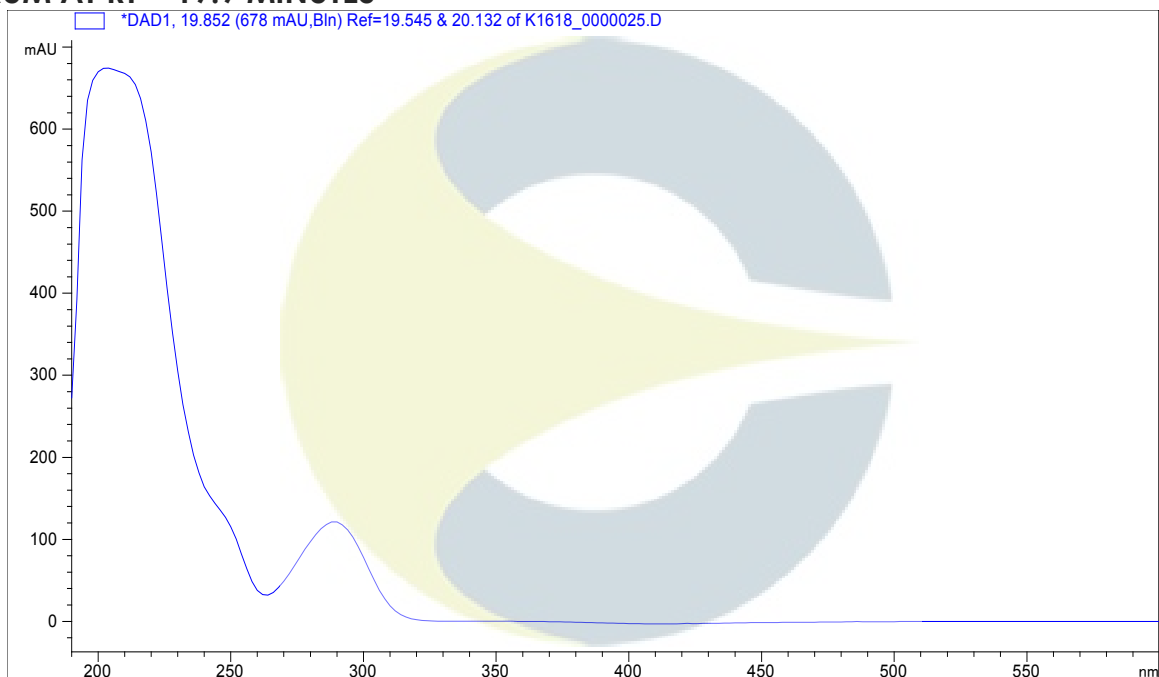


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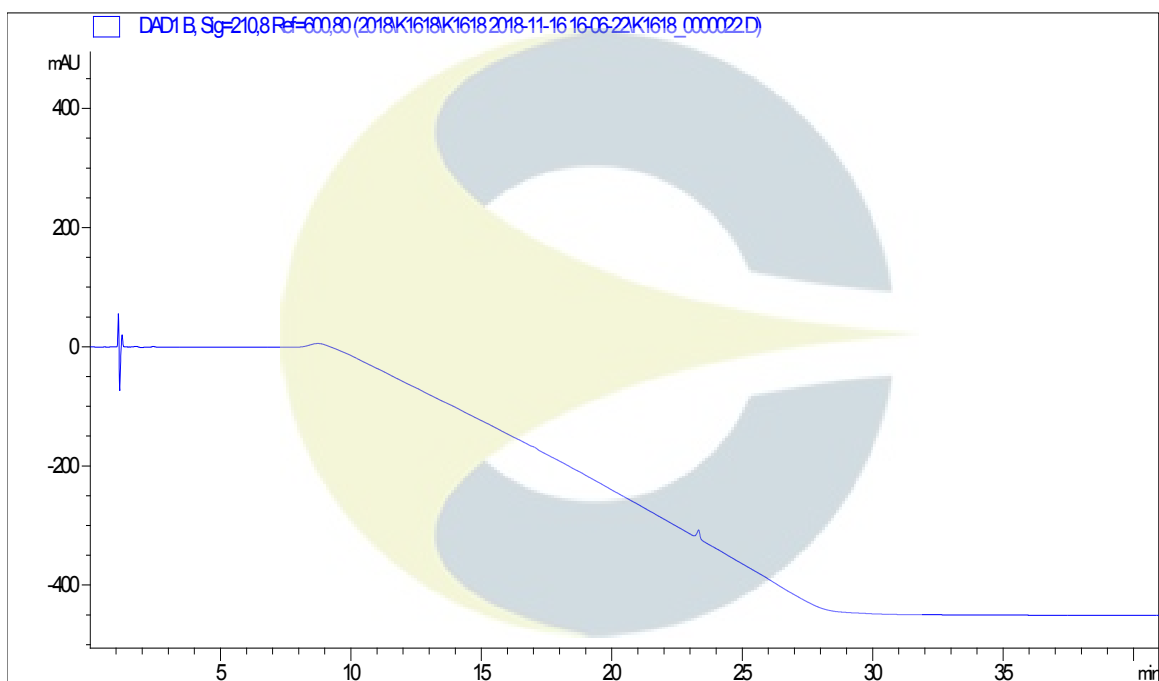
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UV SPECTRUM AT RT = 19.9 MINUTES



HPLC CHROMATOGRAM OF DILUENT BLANK

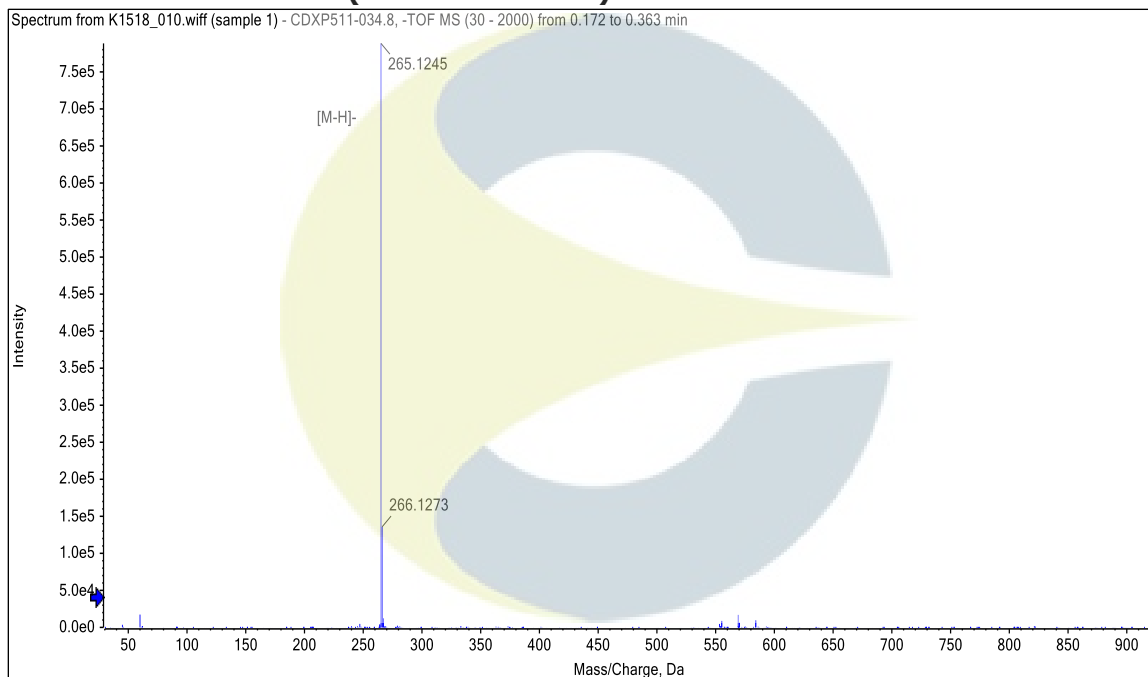


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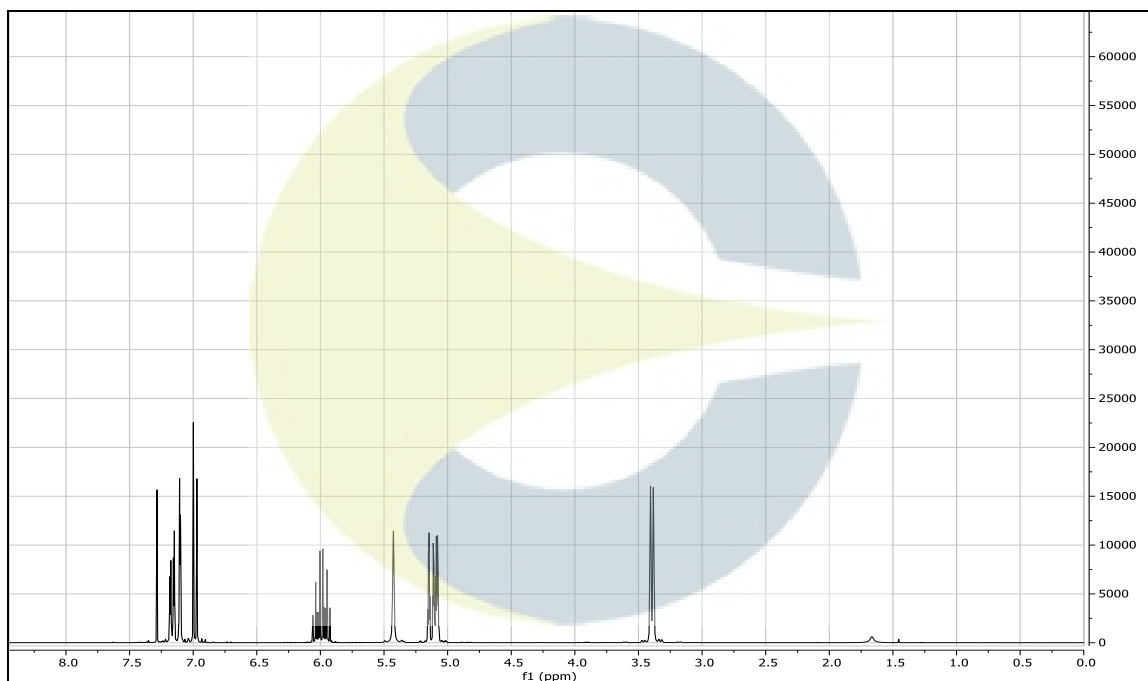
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MASS SPECTRUM OF MAGNOLOL (CDXP-18-01245)



¹H-NMR SPECTRUM OF MAGNOLOL (CDXP-18-01245) IN CDCl₃



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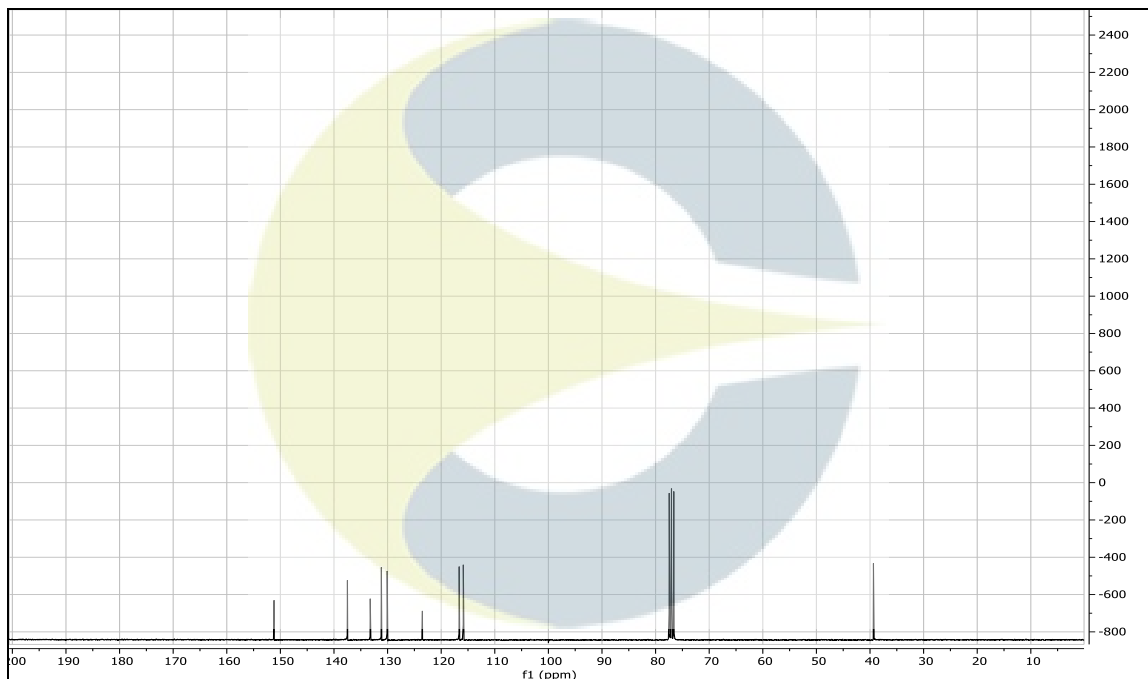
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^{13}C -NMR SPECTRUM OF MAGNOLOL (CDXP-18-01245) IN CDCl_3



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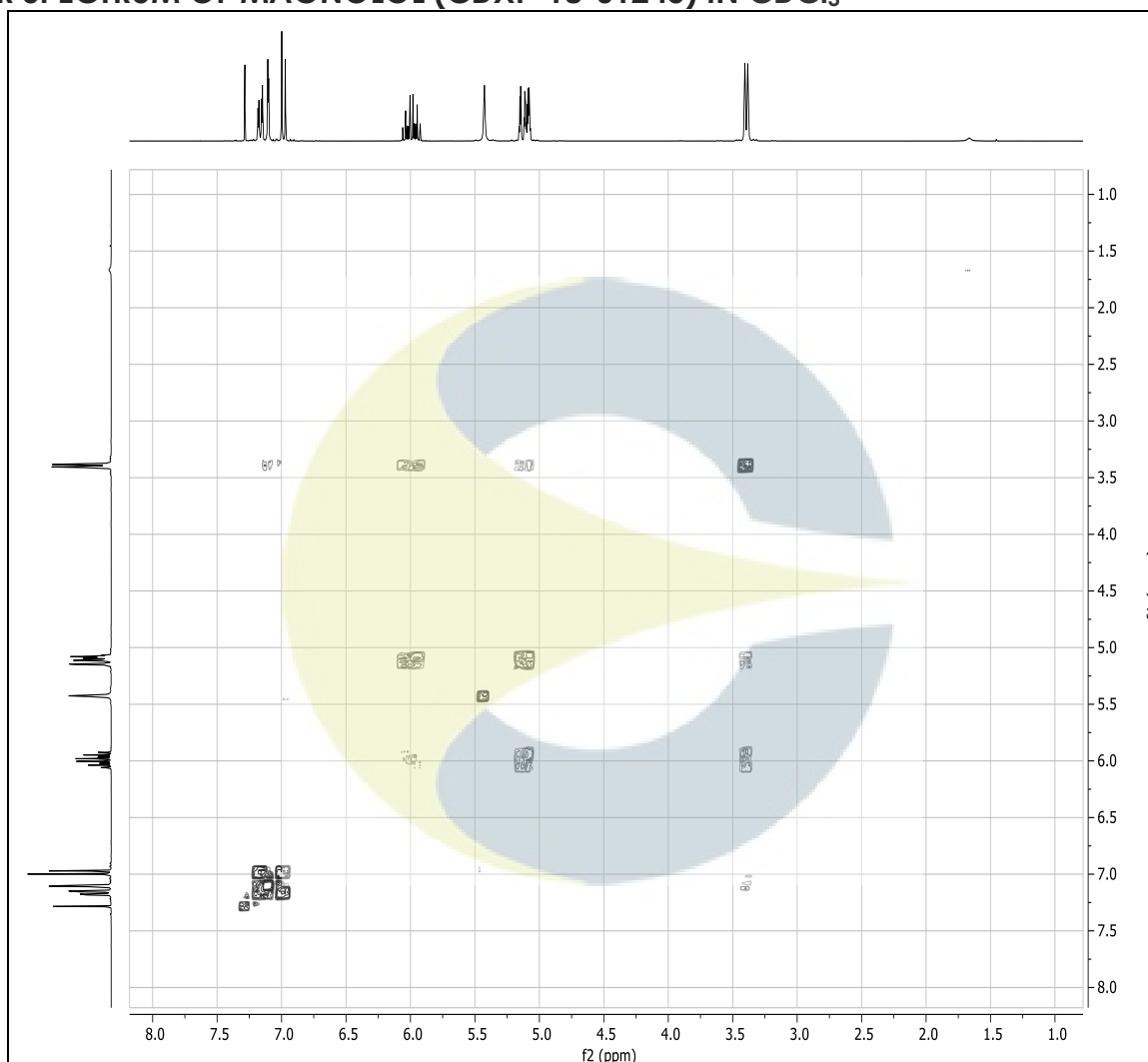
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COSY-NMR SPECTRUM OF MAGNOLOL (CDXP-18-01245) IN CDCl₃



REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	12/12/2018	New report
01	07/16/2021	Revision made to specs
02	02/23/2022	Revision to correct missing zero from lot number

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