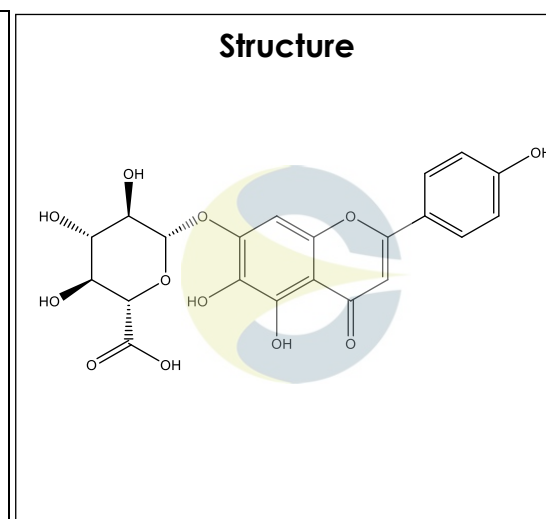


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PRODUCT NAME	Scutellarin
PART NUMBER	00019097
STANDARD TYPE	Primary (P)
LOT NUMBER	00019097-811
REPORT NUMBER	CDXA-RSS-1325-02
SAMPLE NUMBER	CDXA-06-1765
DATE OF SAMPLE	11/17/2006
DATE OF RE-EVALUATION	06/14/2011(1 st); 07/31/2015(2 nd); 02/25/2020; (3 rd)
DATE OF REPORT	03/18/2020



CHEMICAL NAMES	5,6-Dihydroxy-2-(4-hydroxyphenyl)-4-oxo-4H-1-benzopyran-7-yl β-D-glucopyranosiduronic acid; Scutellarein 7-O-β-D-glucuronide; Scutellarin B
CHEMICAL FORMULA	C ₂₁ H ₁₈ O ₁₂
MOLECULAR WEIGHT (MW)	462.36
CHEMICAL FAMILY	Flavonoids
CAS NUMBER	[27740-01-8]
EC#(EINECS)	NA
RTECS	LZ6500750

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
Adjusted Purity	NA	NA	85.2%
HPLC	0.700.10.2.METH22	NA	92.6%
NMR	NA	Conforms to structure	Conforms to structure
Mass Spectrum	Direct Infusion, ESI (+/-)	Conforms	Conforms
Residual Solvent	CDXA-AM-001-04	NA	Toluene – 0.1%; DMF – 0.3%
Water	0.700.12.37	NA	7.6%
Appearance	NA	NA	White powder

ADJUSTED PURITY: 85.2% IS BASED ON (100 - 0.4 SOLVENTS - 7.6 WATER) X 92.6% HPLC

STORAGE CONDITIONS
STORAGE -20 °C in a dry place.

EXPIRATION DATE 02/2025 under the above conditions.

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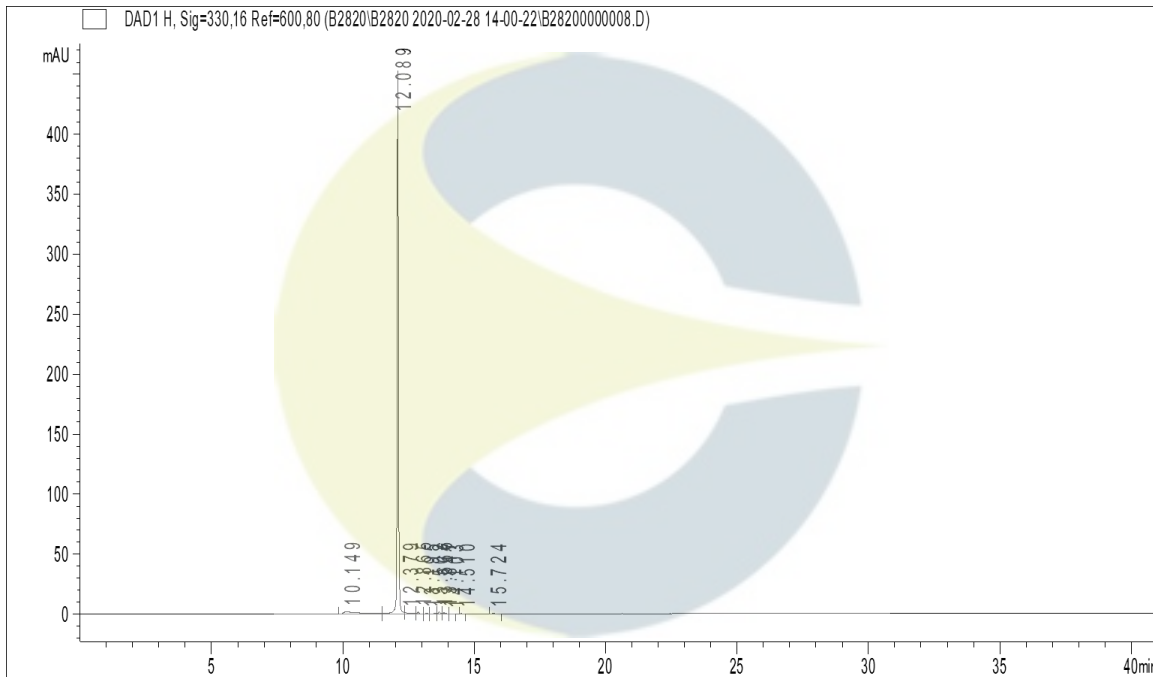
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ANALYTICAL CONDITIONS

INSTRUMENT	AGILENT 1260 HPLC UV-VIS (DAD); LCQ-DECA (MS)
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.	1.2 mg/mL in Methanol
DETECTION	330 ± 8 nm

HPLC CHROMATOGRAM OF SCUTELLARIN (CDXA-06-1765)

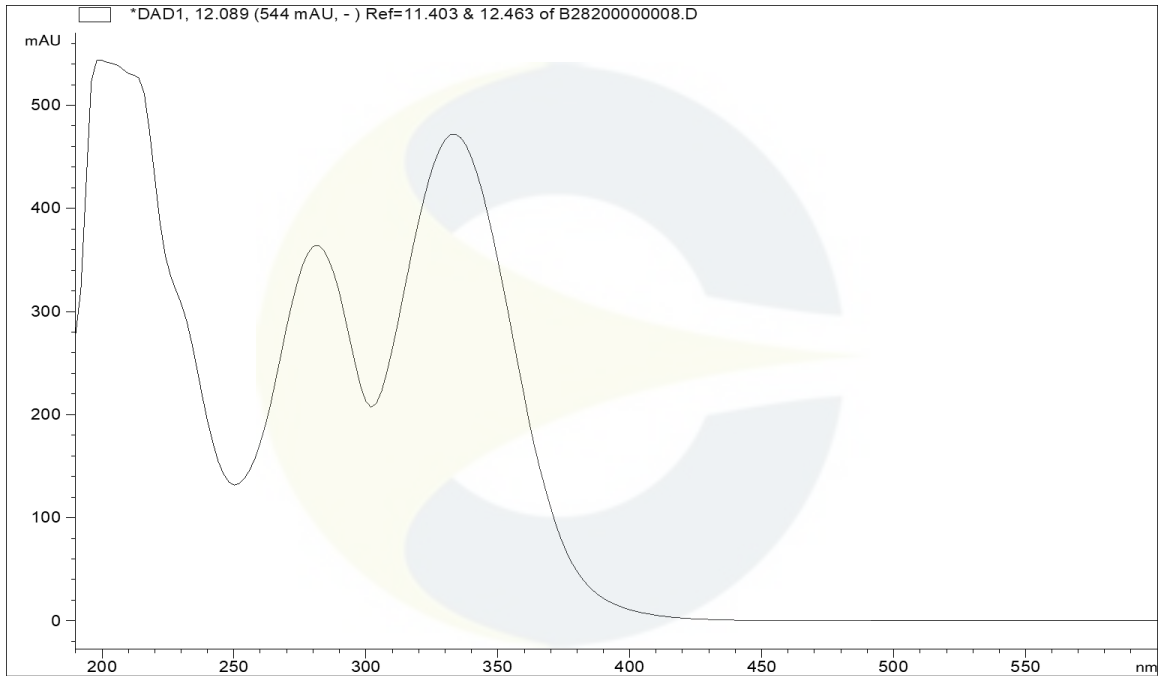


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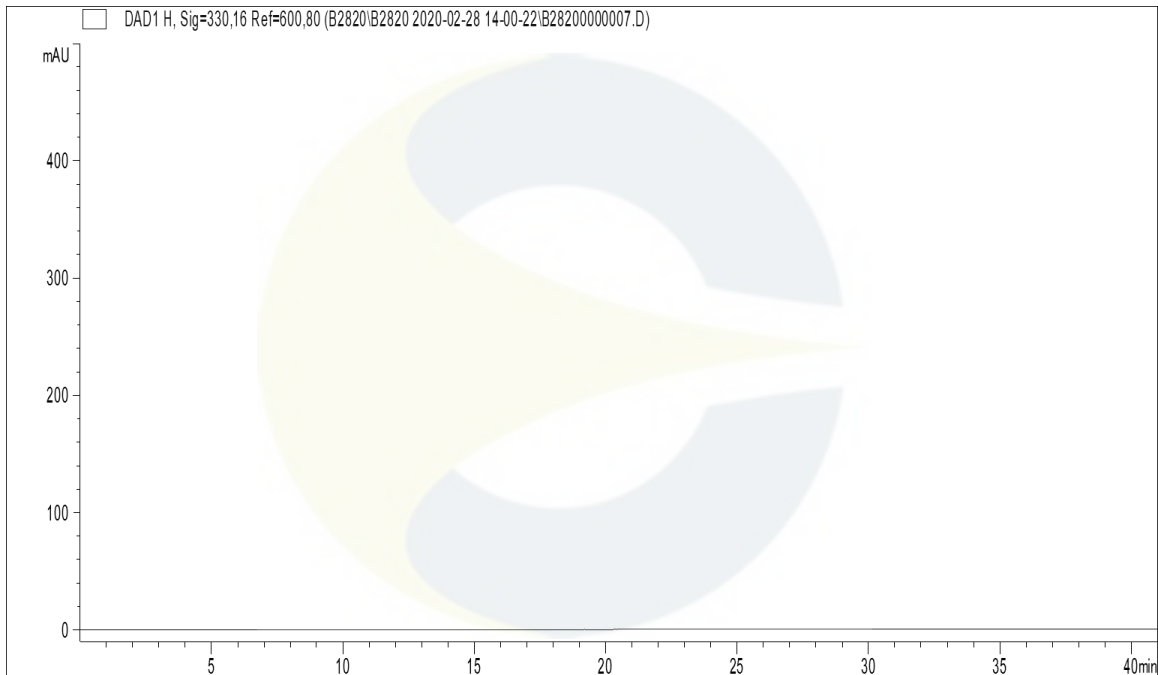
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UV SPECTRUM AT RT 12.1 MINUTES

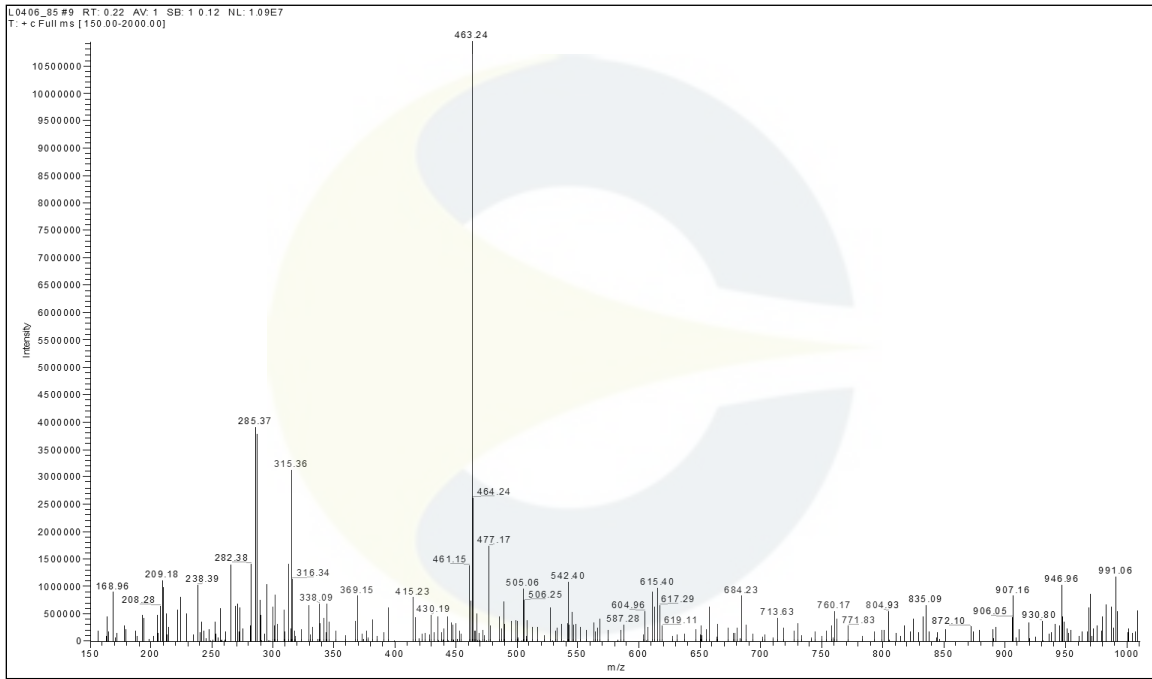


HPLC CHROMATOGRAM OF DILUENT BLANK

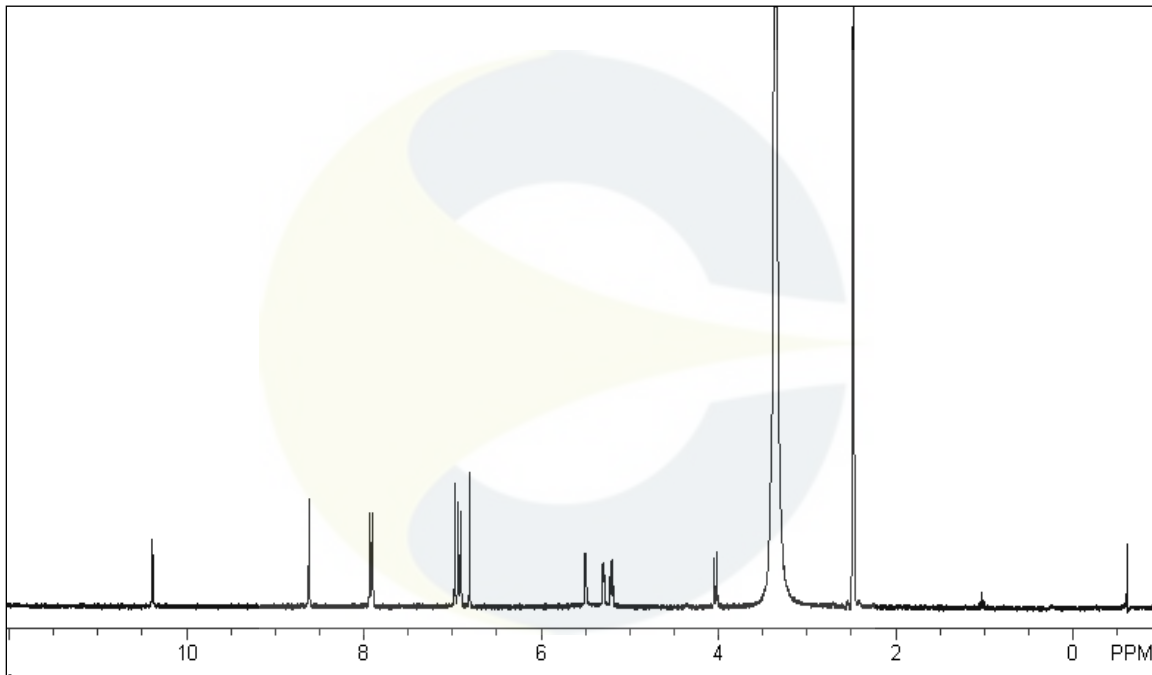


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MASS SPECTRUM OF SCUTELLARIN (CDXA-06-1765)



¹H-NMR SPECTRUM OF SCUTELLARIN (CDXA-06-1765) IN DMSO-d₆



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REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	08/04/2011	New report and first re-evaluation.
01	08/19/2015	Passed second re-evaluation by HPLC, KF. Updated expiration date and melting point.
02	03/18/2020	Passed third re-evaluation by HPLC, KF. Updated expiration date, methods, results, structure, RTECs number, and removed melting point.

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