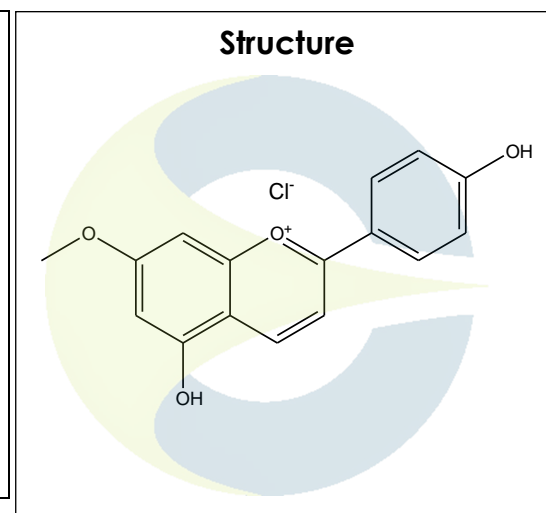


**Certificate of Analysis**

For Laboratory Use Only

<b>PRODUCT NAME</b>	7-Methoxyapigeninidin chloride
<b>PART NUMBER</b>	00013283
<b>STANDARD TYPE</b>	Analytical Standard (AS)
<b>LOT NUMBER</b>	00013283-228
<b>REPORT NUMBER</b>	CDXA-RSS-5376-02
<b>SAMPLE NUMBER</b>	CDXA-13-0448
<b>DATE OF SAMPLE</b>	01/22/2013
<b>DATE OF RE-EVALUATION</b>	05/07/2018 (1 <sup>st</sup> ); 04/11/2022 (2 <sup>nd</sup> )
<b>DATE OF REPORT</b>	05/10/2022



<b>CHEMICAL NAMES</b>	5-Hydroxy-2-(4-hydroxyphenyl)-7-methoxy-1-benzopyrylium chloride
<b>CHEMICAL FORMULA</b>	C <sub>16</sub> H <sub>13</sub> ClO <sub>4</sub>
<b>MOLECULAR WEIGHT (MW)</b>	304.73
<b>CHEMICAL FAMILY</b>	Anthocyanidin
<b>CAS NUMBER</b>	[161773-51-9]
<b>EC#(EINECS)</b>	NA
<b>RTECS</b>	NA

**ANALYTICAL RESULTS**

TEST	METHOD	SPECIFICATION	RESULT
HPLC	0.700.10.2.METH22	≥ 75%	98.1%
Mass Spectrum	99.1-04-3.0-000126	Conforms	Conforms
Appearance	NA	NA	Red powder

**STORAGE CONDITIONS**

<b>STORAGE</b>	-20 °C in a dry place.
<b>EXPIRATION DATE</b>	04/2027 under the above conditions.

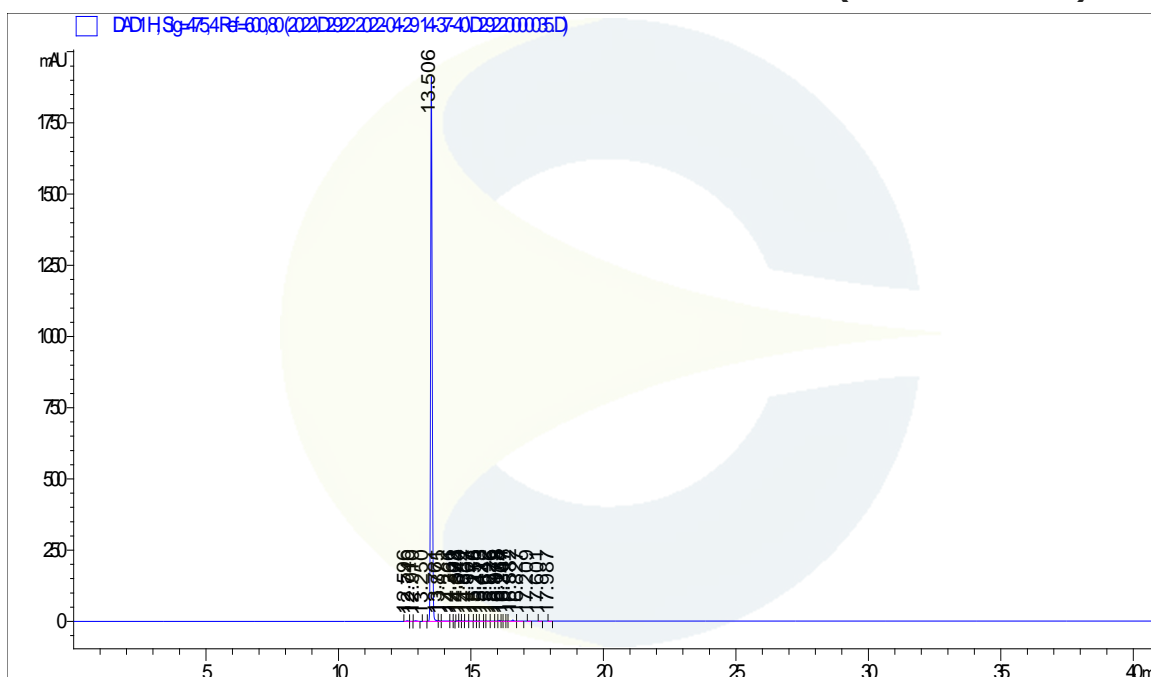
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**ANALYTICAL CONDITIONS**

<b>INSTRUMENT</b>	AGILENT 1260 HPLC UV-VIS (DAD); AB-SCIEX 6600 TRIPLE TOF
<b>COLUMN</b>	Phenomenex Luna C18(2) 150 x 2.00 mm, 5 µm particle size
<b>MOBILE PHASE</b>	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, then decreasing to 5% B over 1 minute.
<b>COLUMN TEMP.</b>	60 °C
<b>FLOW RATE</b>	0.4 mL/minute
<b>INJECTION VOL.</b>	1.0 µL
<b>INJECTION CONC.</b>	1.0 mg/mL in Methanol
<b>DETECTION</b>	475 ± 2 nm

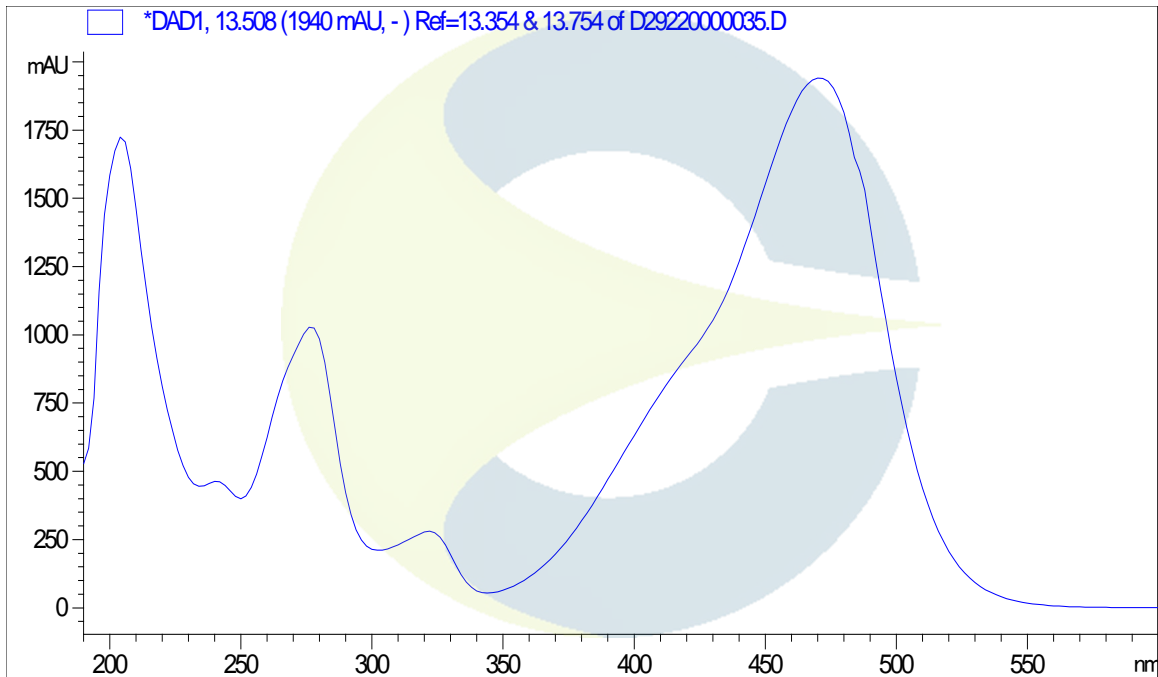
**HPLC CHROMATOGRAM OF 7-METHOXYAPIGENINIDIN CHLORIDE (CDXA-13-0448)**


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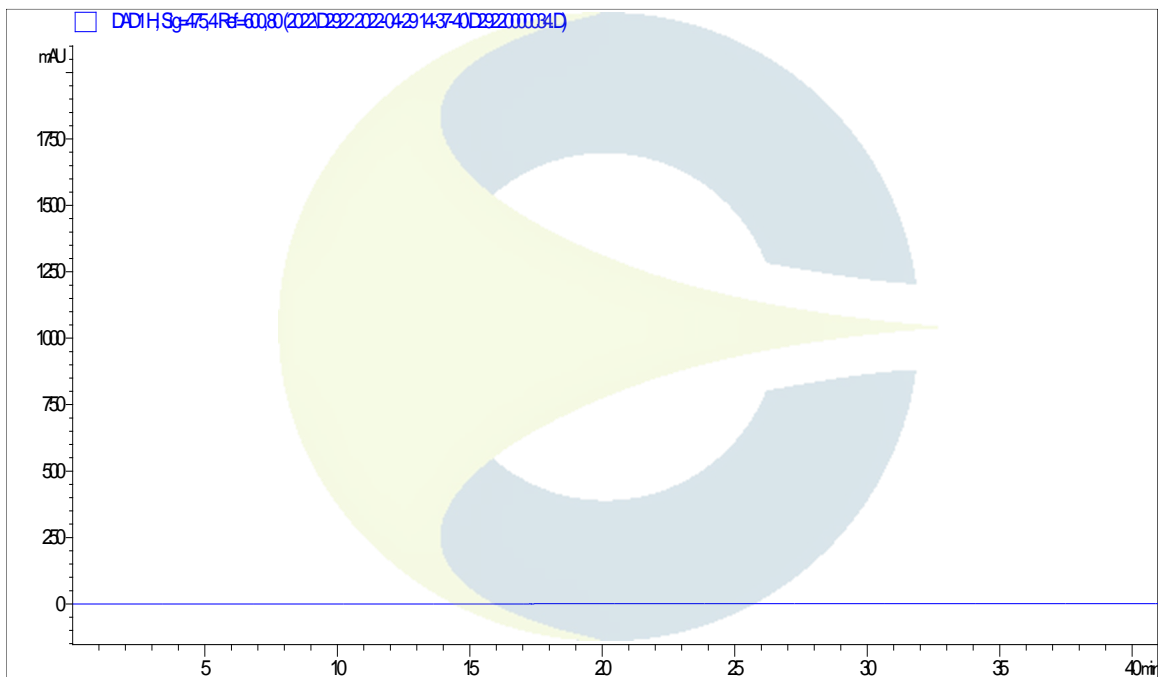
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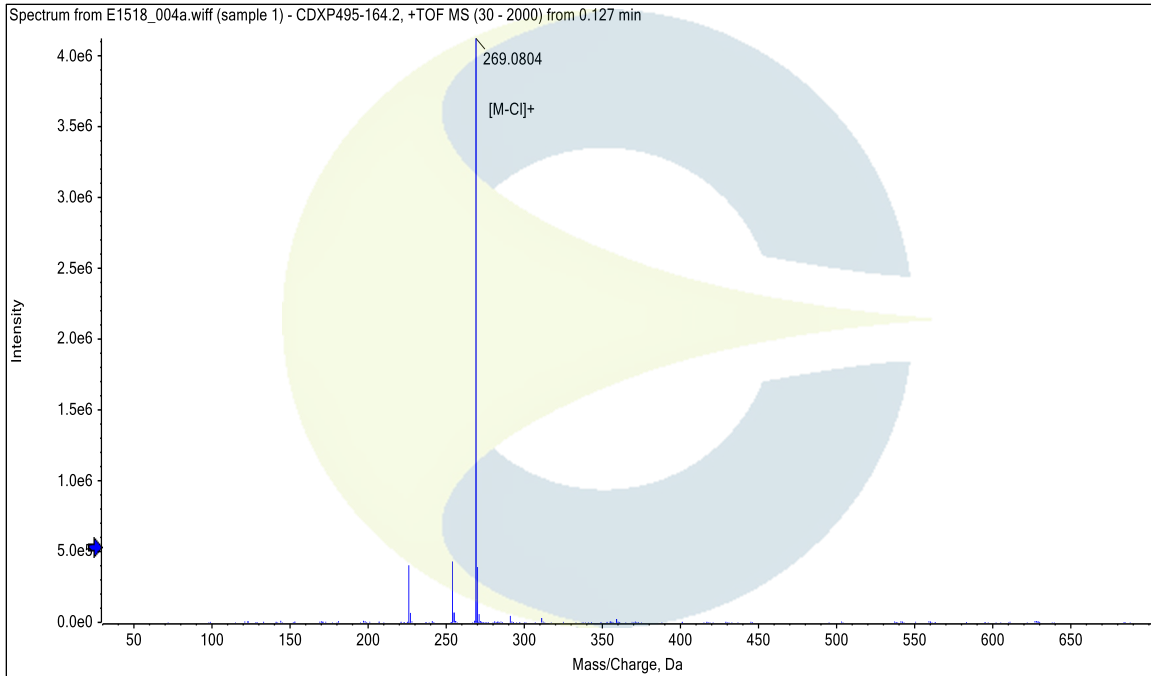
**UV SPECTRUM AT RT = 13.5 MINUTES**



**HPLC CHROMATOGRAM OF DILUENT BLANK**



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**MASS SPECTRUM OF 7-METHOXYAPIGENINIDIN CHLORIDE (CDXA-13-0448)**

**REVISION HISTORY**

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	02/14/2013	New report; upgraded to SH grade.
01	06/04/2018	Passed first re-evaluation by HPLC, and MS. Updated to AS grade, analytical conditions, results, chromatograms, and expiration date. Removed melting point.
02	05/10/2022	Passed re-evaluation by HPLC. Updated expiration date, analytical results, analytical conditions, and chromatograms.

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