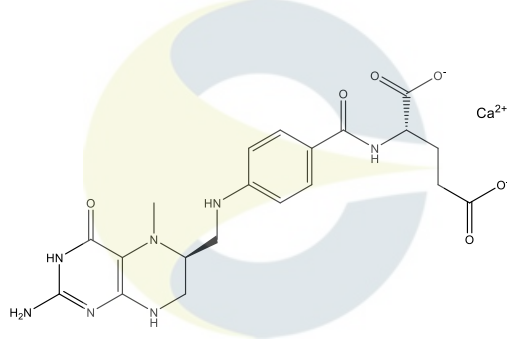


Certificate of Analysis

For Laboratory Use Only

PRODUCT NAME	Methyl Folate Calcium Salt	<div style="text-align: center;"> Structure  </div>
PART NUMBER	00013517	
STANDARD TYPE	Analytical Standard (AS)	
LOT NUMBER	00013517-328	
REPORT NUMBER	CDXA-RSS-9357-00	
SAMPLE NUMBER	CDXP-21-00226	
DATE OF SAMPLE	04/02/2021	
DATE OF REPORT	05/20/2021	

CHEMICAL NAMES	Metafolin; N-(4-(((6S)-2-Amino-3,4,5,6,7,8-hexahydro-5-methyl-4-oxo-6-pteridinyI)methyl)amino)benzoyl)-L-glutamic acid calcium salt (1:1); Levomefolate calcium
CHEMICAL FORMULA	C ₂₀ H ₂₃ N ₇ O ₆ Ca
MOLECULAR WEIGHT (MW)	497.53
CHEMICAL FAMILY	Vitamins
CAS NUMBER	[151533-22-1]
EC#(EINECS)	691-636-3
RTECS	NA

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
HPLC	USP <42>	≥ 75%	93.1%
Mass Spectrum	0.700.12.27	Conforms	Conforms
Appearance	NA	NA	Off white powder

STORAGE CONDITIONS

STORAGE	-20 °C in a dry place.
EXPIRATION DATE	04/2026 under the above conditions.

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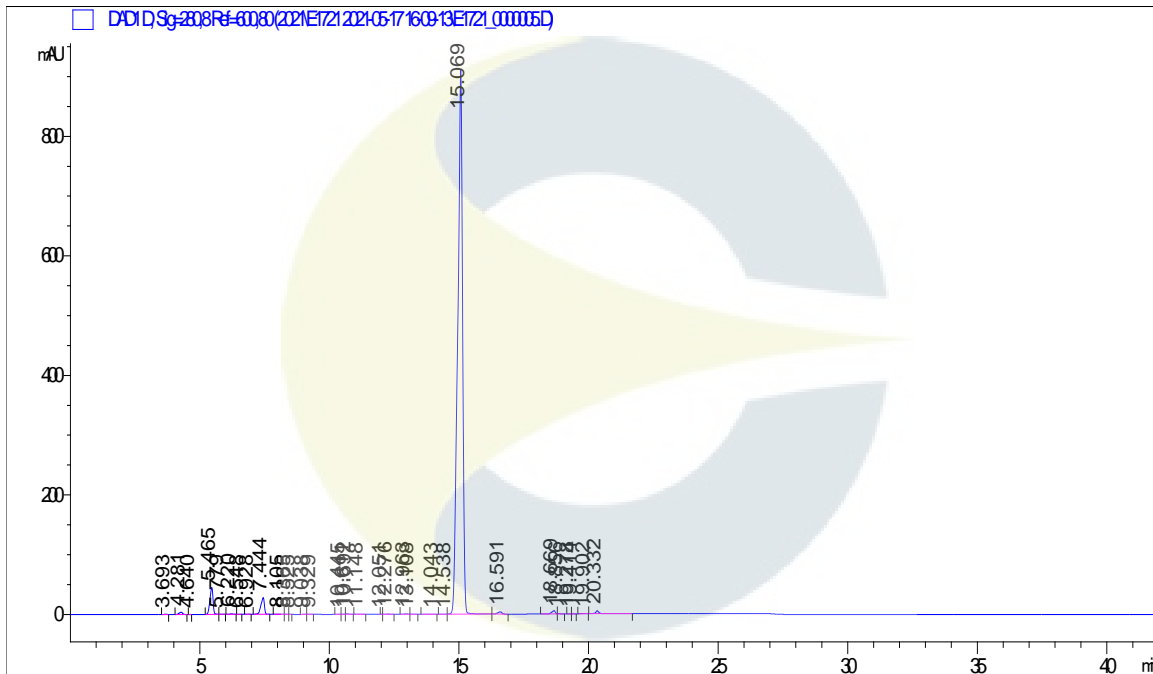
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ANALYTICAL CONDITIONS

INSTRUMENT	AGILENT 1260 HPLC UV-VIS (DAD); AB-SCIEX 6600 TRIPLE TOF
COLUMN	Phenomenex Luna C18(2) 250 x 4.6 mm, 5 µm particle size
MOBILE PHASE	Buffer - 6.0 g/L sodium dihydrogen phosphate anhydrous in Ultrapure water A - Buffer adjusted to pH 6.5 with 32% Sodium Hydroxide solution B – Methanol and Buffer (35:65) adjusted to pH 8.0 with 32% Sodium Hydroxide solution 0% B increasing to 55% B over 14 minutes, then increasing to 100% B over 3 minutes. Hold at 100% B for 7 minutes, then decreasing to 0% B over 0.01 minutes. Hold at 0% B for 8.99 minutes.
COLUMN TEMP.	32 °C
FLOW RATE	1.1 mL/minute
INJECTION VOL.	5 µL
INJECTION CONC.	1.0 mg/mL in Ultrapure water
DETECTION	280 ± 4 nm

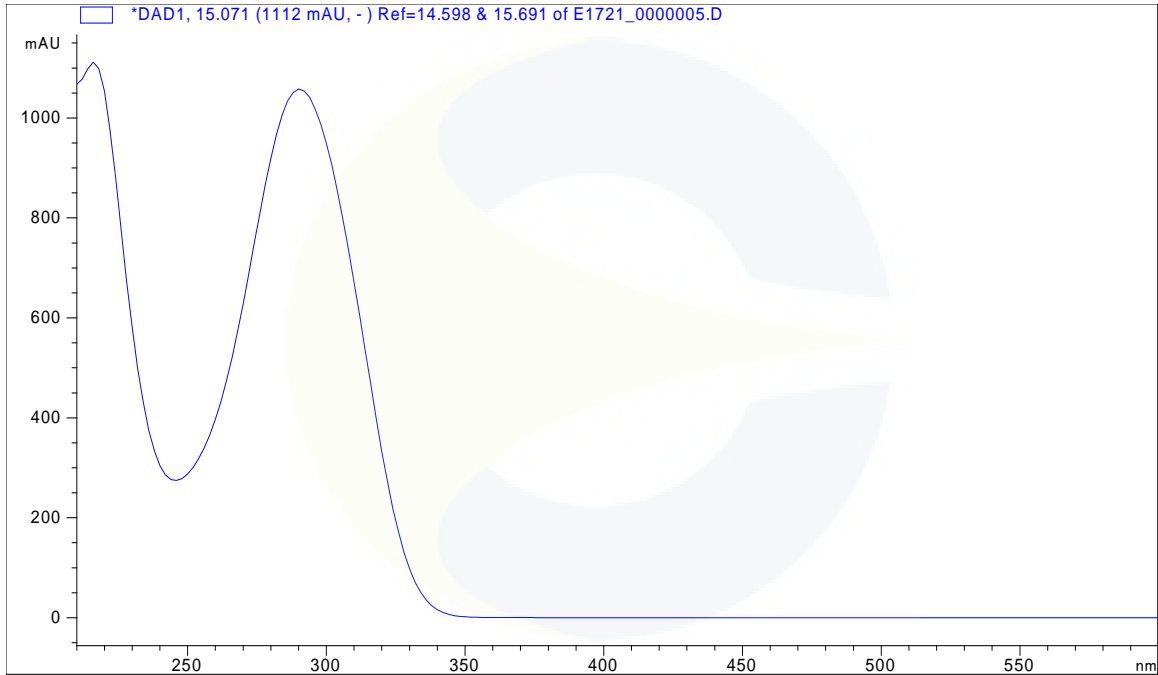
HPLC CHROMATOGRAM OF METHYL FOLATE CALCIUM SALT (CDXP-21-00226)



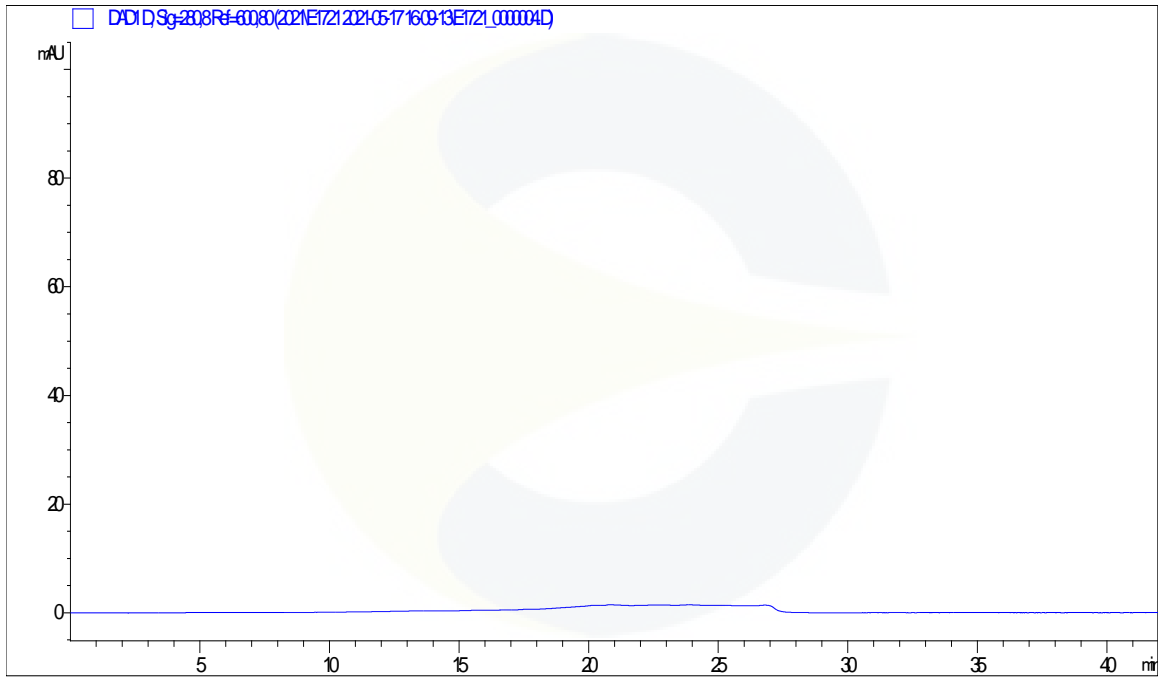
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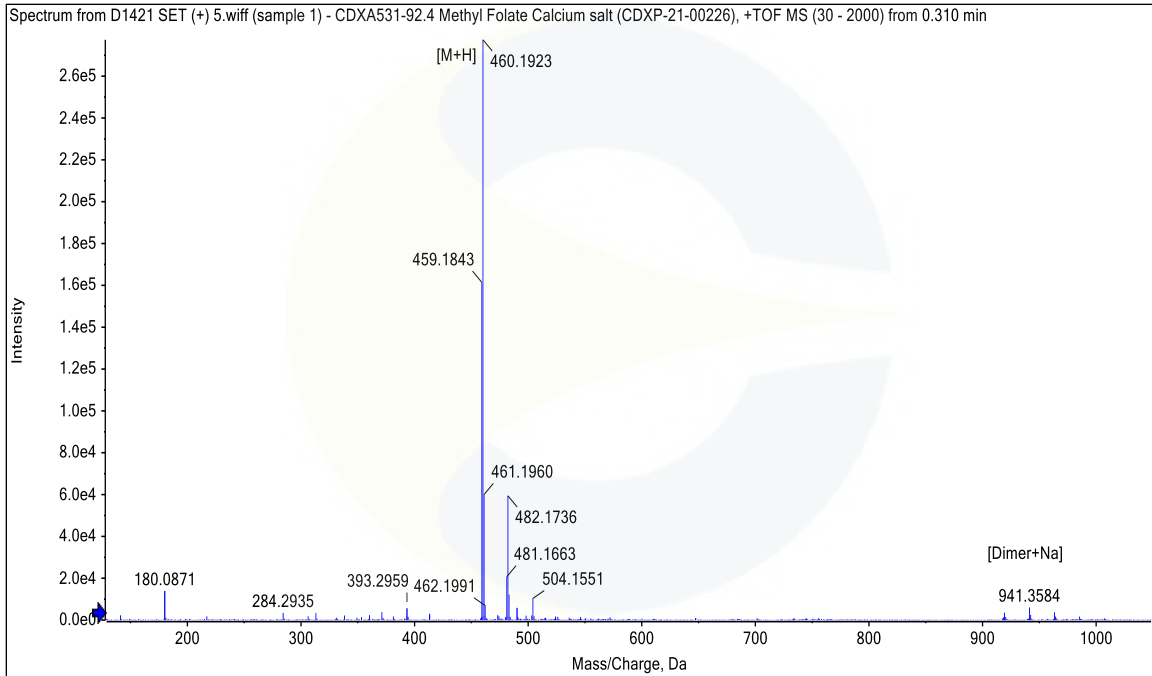
UV SPECTRUM AT RT = 15.1 MINUTES



HPLC CHROMATOGRAM OF DILUENT BLANK



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MASS SPECTRUM OF METHYL FOLATE CALCIUM SALT (CDXP-21-00226)

REVISION HISTORY

<u>Revision History</u>	<u>Date of Revision</u>	<u>Document/Changes</u>
00	05/20/2021	New report

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