

Certificate of Analysis

Product Name: EQUILENIN SOLUTION
100µg/mL in acetonitrile, VETRANAL™, analytical standard
Product Number: 33693
Batch Number: BCBZ5317
Brand: Sigma-Aldrich
CAS Number: 517-09-9
Formula: C₁₈H₁₈O₂
Formula Weight: 266.33
Storage Temperature: 2-8 C
Expiration Date: JAN 2023
Quality Release Date: 19 FEB 2019

TEST	SPECIFICATION	RESULT
APPEARANCE (COLOR)	COLORLESS TO ALMOST COLORLESS	COLORLESS
APPEARANCE (FORM)	LIQUID	LIQUID
CONCENTRATION COMP1	~ 100 UG/ML	100.08 UG/ML
SOLVENT	ACETONITRILE	ACETONITRILE
PURITY (HPLC AREA %)	≥ 98.0 %	98.0 %
IDENTIFICATION (LC-MS)	CORRESPONDS TO REQUIREMENTS	CORRESPONDS
SPECIFIC ROTATION (20/D)	94.0 ± 7.0 DEGREES	89.3 DEGREES
CONCENTRATION	C=1 IN DIOXANE	C=1 IN DIOXANE
REFRACTIVE INDEX N20/D	1.3421 - 1.3461	1.3440



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Manager Quality Control
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Sigma-Aldrich warrants that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

33693 Equilenin solution

Lot Number: **BCBZ5317**

Sample Name: **T58279_001_LC**

Dionex Ultimate 3000 RSLC

Pump : LPG-3400RS

Autosampler: WPS-3000

Detector: VWD-3400

Column: Supelco Ascentis Express C18, 2.7 μ m

Column Dim.: 50 x 2.1 mm

Mobile Phase:

%A : Acetonitrile

%B : Methanol

%C : Water

%D : Phosphoric acid 0.01M

Gradient : see Figure 1

Sample Prep.: neat

Injection Time: 15.01.19 12:29

Processed By: Markus Urthaler

Vial Number: RA6

Column S/N: -

Sample Type: unknown

Injection Volume: 2.0 μ l

Flow: 1.00 ml/min

Column Temp. (°C): 35.0

Run Time: 6.00 min

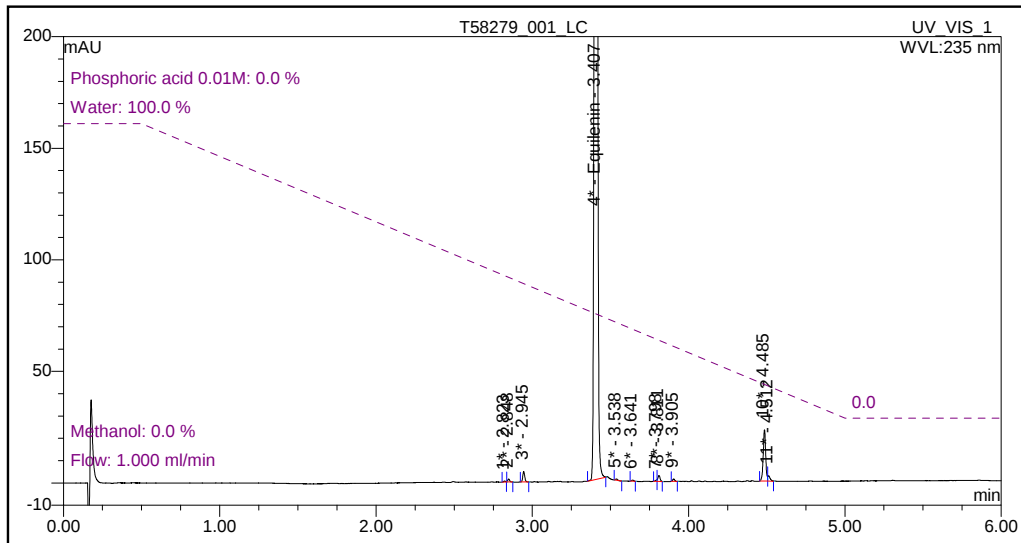


Figure 1: Zoomed Chromatogram

No.	Ret.Time min	Peak Name	Area mAU*min	Height mAU	Amount	Rel.Area %
1	2.823	n.a.	0.00526	0.43633	n.a.	0.02
2	2.848	n.a.	0.01697	1.31780	n.a.	0.05
3	2.945	n.a.	0.06966	4.73548	n.a.	0.22
4	3.407	Equilenin	31.44893	2045.48442	n.a.	98.01
5	3.538	n.a.	0.00806	0.59116	n.a.	0.03
6	3.641	n.a.	0.00771	0.49320	n.a.	0.02
7	3.798	n.a.	0.00700	0.66156	n.a.	0.02
8	3.811	n.a.	0.04335	2.69979	n.a.	0.14
9	3.905	n.a.	0.01638	1.09216	n.a.	0.05
10	4.485	n.a.	0.42190	23.00007	n.a.	1.31
11	4.512	n.a.	0.04171	2.45033	n.a.	0.13
Total:			32.08693	2082.96230		100.00

Table 1: Integration