MZ Biolabs
2102 N Country Club Rd
Tucson, AZ 85716
contact@mzbiolabs.com
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PROOF OF AUTHENTICITY

Certificate of Analysis

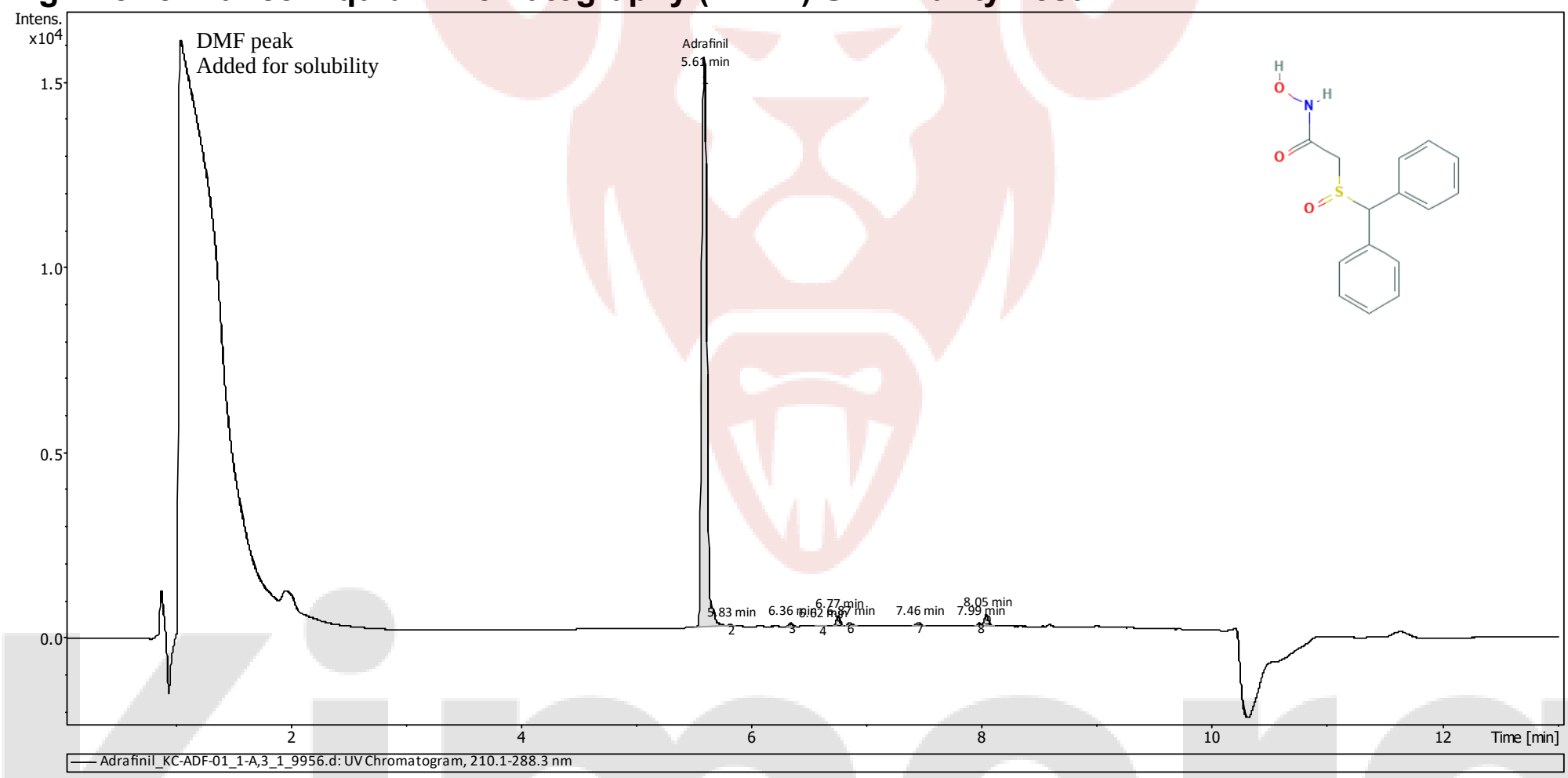
Adrafinil

2-benzhydrylsulfinyl-N-hydroxyacetamide

Compound	: **Adrafinil**	**Client :**	**Kimera Chems**
Lot number	: **KC-ADF-01**		**Kimerachems.co**
Analysis date	: **2025-11-10**		
Purity %	: **95.45%**		
Method	: **HPLC-UV-MS**		

PubChem CID: 3033226
https://pubchem.ncbi.nlm.nih.gov/compound/3033226

High Performance Liquid Chromatography (HPLC) UV – Purity Test



PEAK LIST — Number of detected peaks: 9

	Time (min)	Area	%Area	
1	**5.61**	**5.01E+04**	**95.45**	**Adrafinil**
2	5.83	9.68E+01	0.18	
3	6.36	1.77E+02	0.34	
4	6.62	8.17E+01	0.16	
5	6.77	5.94E+02	1.13	
6	6.87	2.31E+02	0.44	
7	7.46	2.62E+02	0.50	
8	7.99	1.76E+02	0.34	
9	8.05	7.68E+02	1.46	

Sample had to be dissolved in DMF because of incomplete solubility in acetonitrile, the solvent we typically used for Adrafinil.

Analysis Performed by
Ken Pendarvis, ChE
Analytical Chemist
MZ Biolabs
contact@mzbiolabs.com

2025-11-20

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Adrafinil

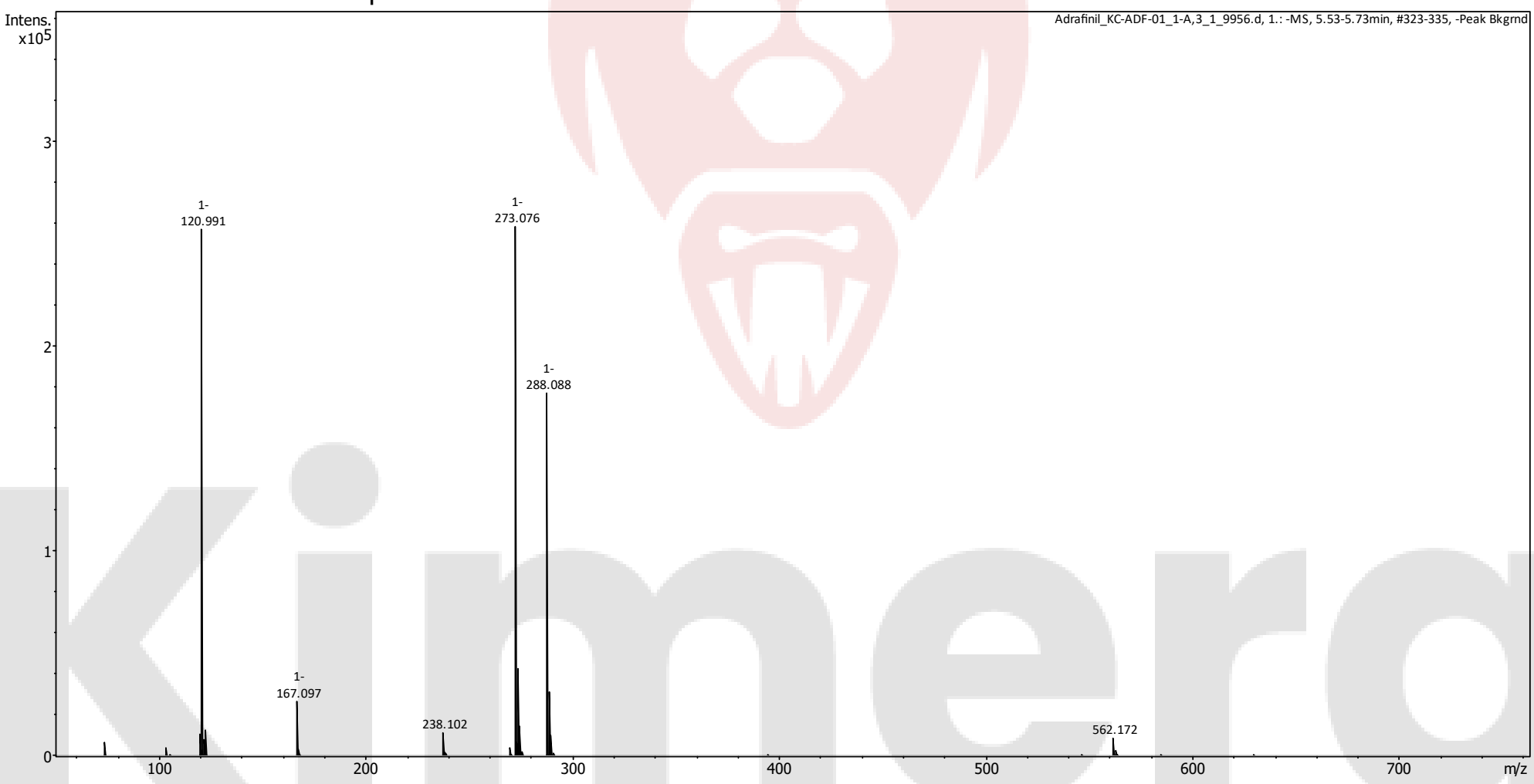
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Mass Spectrometry (MS) – Identity Test

Identity confirmed using HPLC-MS
Molecular weight calculated using monoisotopic m/z values from mass spectrum
Expected monoisotopic mass : 289.08 Da
Measured monoisotopic mass : 289.09 Da
Molecular weight Confirmed

Note : Monoisotopic m/z values are not easily seen in full spectrum view for larger molecules and peptides. The dominant isotopic peak (base peak) shown in the spectrum below can be used to approximate the average molecular weight frequently reported by vendors and databases as a secondary means of confirmation.

Recorded MS spectrum



Analysis Performed by
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Analytical Chemist
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