MZ Biolabs
2102 N Country Club Rd
Tucson, AZ 85716
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PROOF OF AUTHENTICITY

Certificate of Analysis

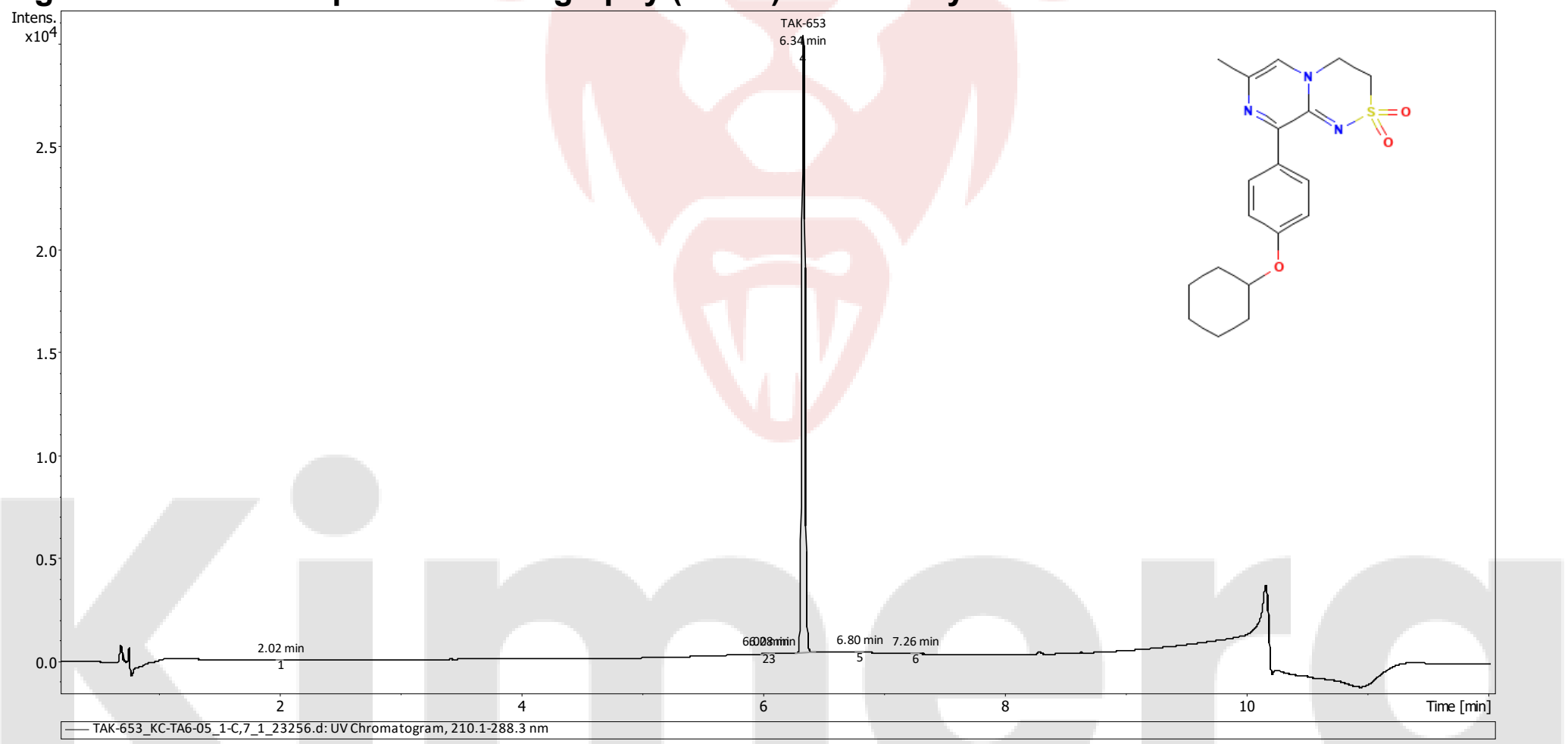
TAK-653

9-(4-cyclohexyloxyphenyl)-7-methyl-3,4-dihydropyrazino[2,1-c][1,2,4]thiadiazine 2,2-dioxide

Compound	: **TAK-653**	**Client :**	**Kimera Chems**
Lot number	: **KC-TA6-05**		**Kimerachems.co**
Analysis date	: **2026-10-30**		
Purity %	: **99.73%**		
Method	: **HPLC-UV-MS**		

PubChem CID: 56655833
https://pubchem.ncbi.nlm.nih.gov/compound/56655833

High Performance Liquid Chromatography (HPLC) UV – Purity Test



PEAK LIST — Number of detected peaks: 6

	Time (min)	Area	%Area	
1	2.02	4.00E+01	0.07	
2	6.02	2.30E+01	0.04	
3	6.08	1.55E+01	0.03	
4	**6.34**	**5.72E+04**	**99.73**	**TAK-653**
5	6.80	3.73E+01	0.07	
6	7.26	4.03E+01	0.07	

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

2026-11-02

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TAK-653

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Mass Spectrometry (MS) – Identity Test

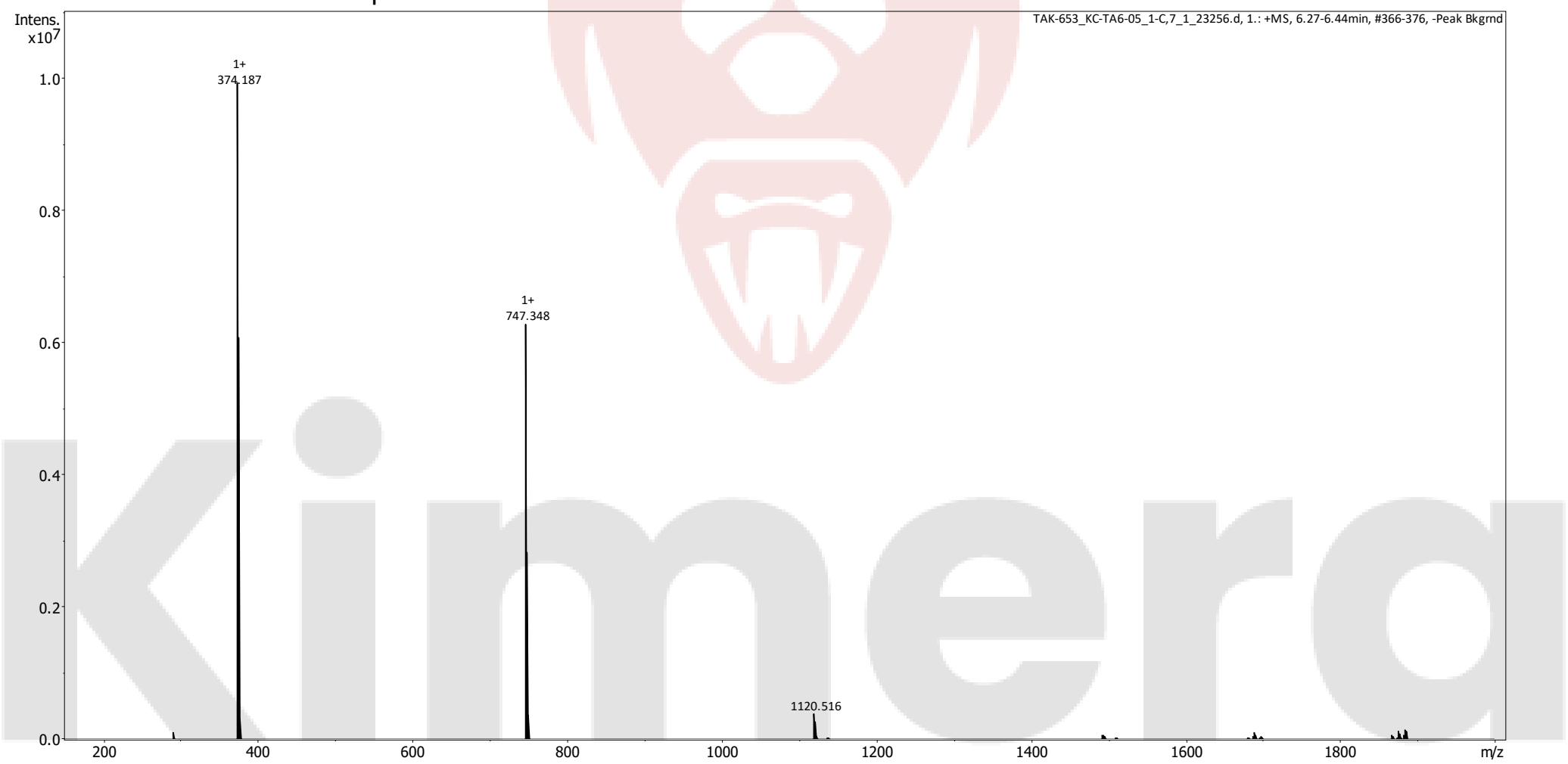
Identity confirmed using HPLC-MS
Molecular weight calculated using monoisotopic m/z values from mass spectrum

Expected monoisotopic mass :	373.15	Da
Measured monoisotopic mass :	373.19	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
Ken Pendarvis, ChE
Analytical Chemist
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