MZ Biolabs
1635 E 18th St
Tucson, AZ 85719
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Certificate of Analysis

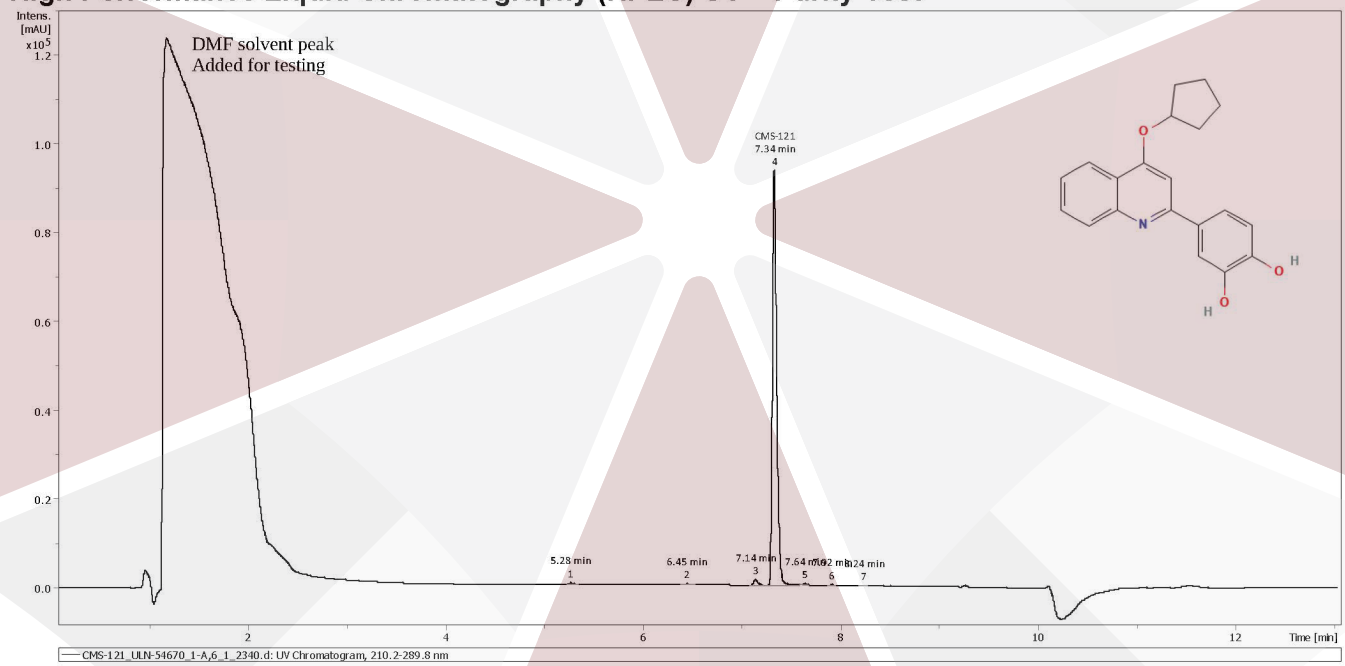
CMS-121

4-[4-(Cyclopentyloxy)quinolin-2-yl]benzene-1,2-diol

Compound	: CMS-121	**Client :**	UMBRELLA.us
Lot number	: ULN-54670		3280 E Hemisphere Loop
Analysis date	: 2024-05-01		Tucson, Arizona 85706
Purity %	: 98.00%		
Method	: HPLC-UV-MS		

PubChem CID: 135741221
https://pubchem.ncbi.nlm.nih.gov/compound/135741221

High Performance Liquid Chromatography (HPLC) UV – Purity Test



PEAK LIST	Number of detected peaks: 7			
	Time (min)	Area	%Area	
1	5.28	1.12E+03	0.38	
2	6.45	5.76E+02	0.20	
3	7.14	3.22E+03	1.09	
4	**7.34**	**2.89E+05**	**98.00**	**CMS-121**
5	7.64	7.31E+02	0.25	
6	7.92	2.69E+02	0.09	
7	8.24	3.12E+02	0.11	

Analysis Performed by
Ken Pendarvis, ChE
Analytical Chemist
MZ Biolabs
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2024-05-03

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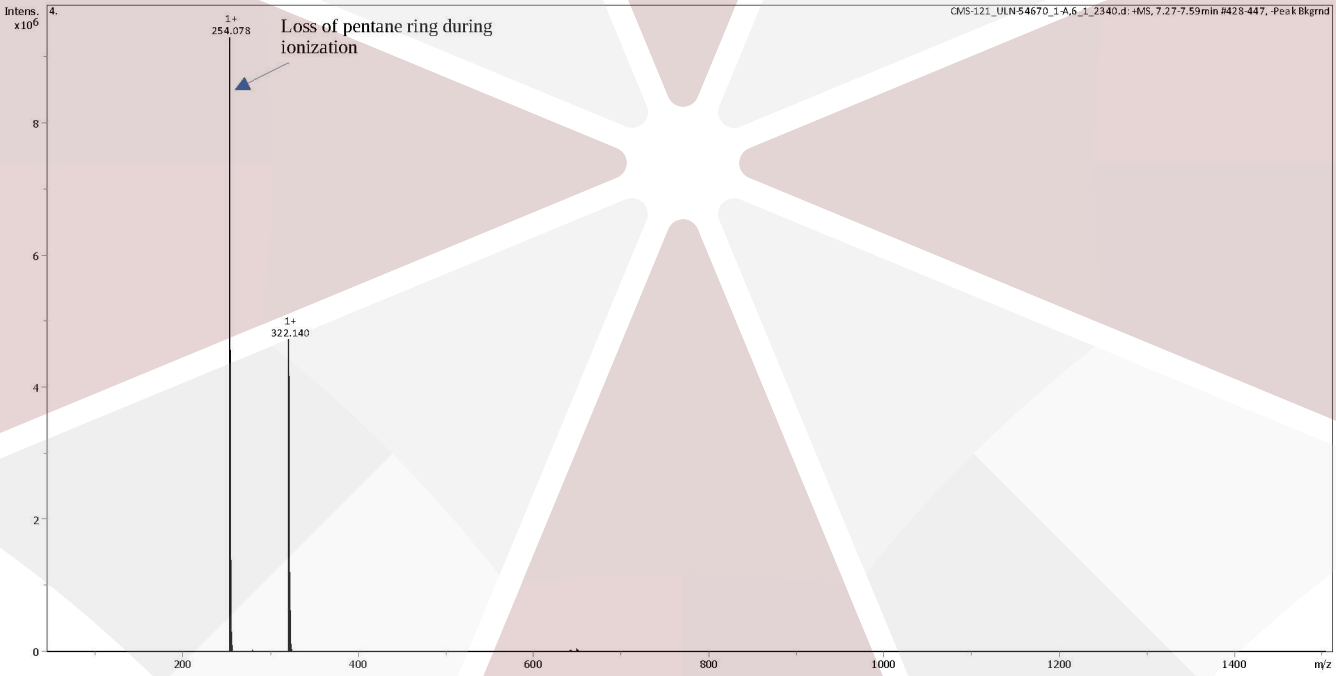
Mass Spectrometry (MS) – Identity Test

Identity confirmed using HPLC-MS
Molecular weight calculated using monoisotopic m/z values from mass spectrum
Expected monoisotopic mass : 321.14 Da
Measured monoisotopic mass : 321.14 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



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