

Certificate of Analysis

Pyrroloquinoline quinone

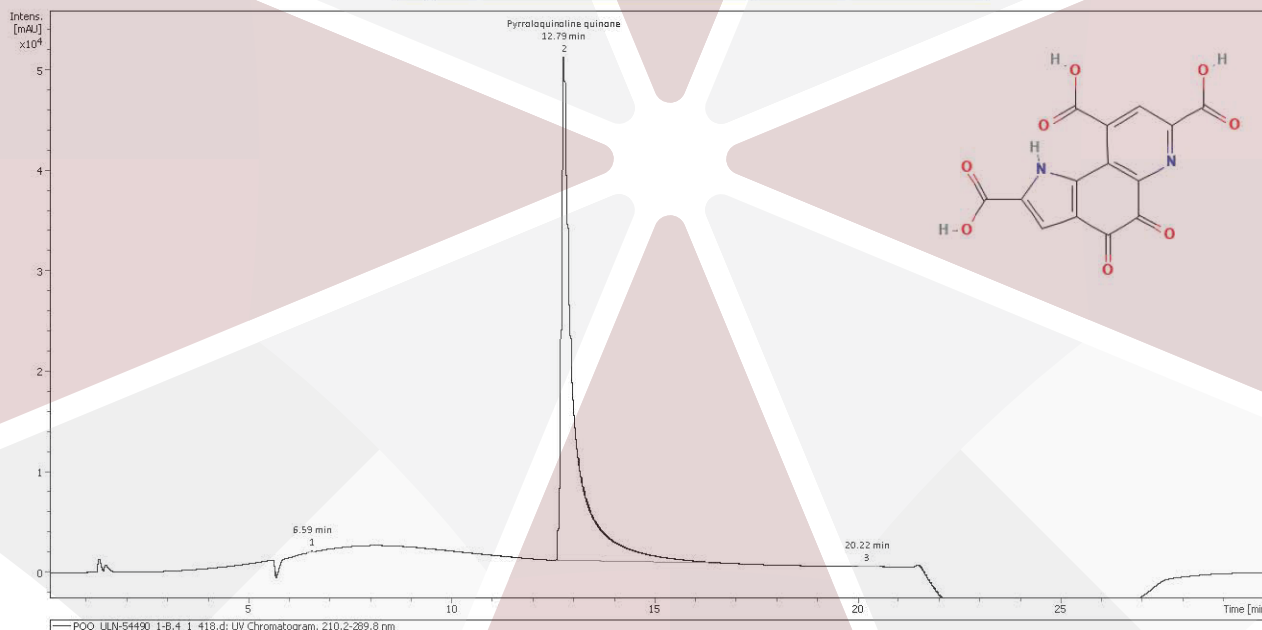
4,5-dioxo-1H-pyrrolo[2,3-f]quinoline-2,7,9-tricarboxylic acid

Compound : PQQ
Lot number : ULN-54490
Analysis Date : 2024-02-11
Purity % : 99.86%
Method : Mass Spectrometry & UV

Client : UMBRELLA.us
 3280 E Hemisphere Loop
 Tucson, Arizona 85706

PubCem CID: 1024

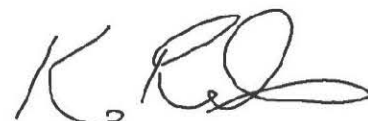
<https://pubchem.ncbi.nlm.nih.gov/compound/1024>



PEAK LIST				Number of detected peaks: 3	
	Time (min)	Area	%Area		
1	6.59	5.61E+02	0.05		
2	12.79	1.07E+06	99.86	PQQ	
3	20.22	9.21E+02	0.09		

Analysis Performed by
 Ken Pendarvis, ChE
 Analytical Chemist
 MZ Biolabs
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Purity determined using UV detection
 Peak identity confirmed by mass spectrum evaluation
 Expected mass: 330.0 g
 Measured mass: 330.0 g
 Molecular weight confirmed



2024-02-11