

Certificate of Analysis

Sunifiram

1-(4-benzoylpiperazin-1-yl)propan-1-one

Compound : Sunifiram
Lot number : ULN-53210
Analysis date : 2023-01-30
Purity % : 99.26%
Method : Mass Spectrometry & UV

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

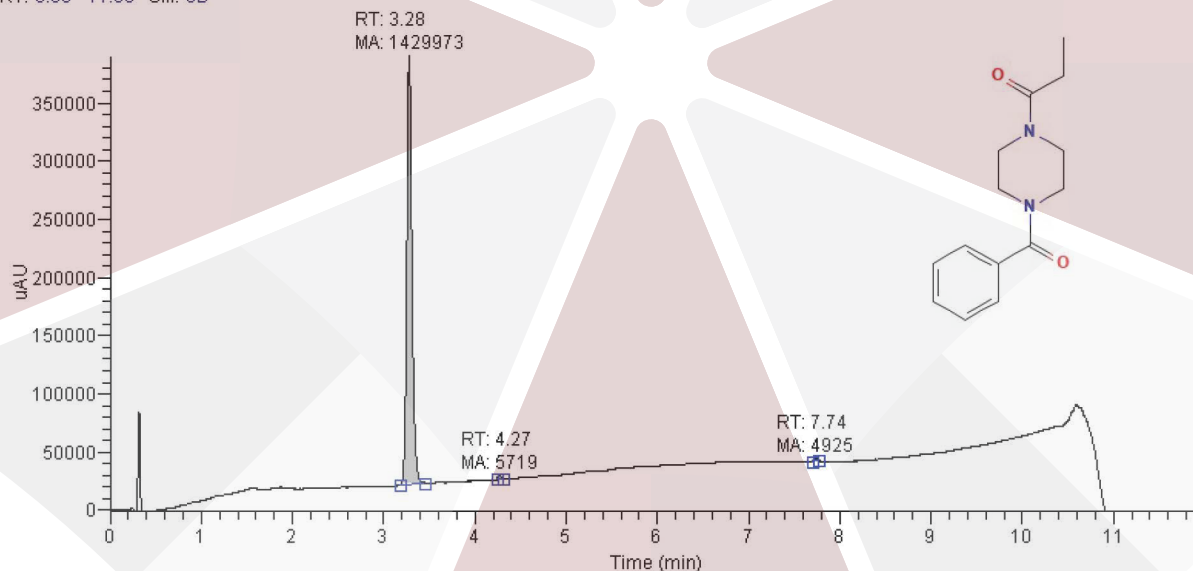
PubChem CID: 303326

<https://pubchem.ncbi.nlm.nih.gov/compound/4223812>

Sunifiram_lot-ULN-53210_230130132558

1/30/2023 1:25:58 PM

RT: 0.00 - 11.99 SM: 3B



NL:
 3.90E5
 Channel A
 UV
 Sunifiram_lo
 t-ULN-
 53210_230
 130132558

PEAK LIST	Number of detected peaks: 3		
Time (min)	Area	%Area	
3.28	1.43E+06	99.26	Sunifiram
4.27	5.72E+03	0.40	
7.74	4.93E+03	0.34	

Analysis Performed by
 Ken Pendarvis, ChE
 Analytical Chemist
 MZ Biolabs
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Peak purity determined using UV detection
 Peak identity confirmed by mass spectrum evaluation
 Expected mass: 246.1 g
 Measured mass: 246.1 g
 Molecular weight confirmed



2023-01-31