

Certificate of Analysis

MK-677 (Ibutamoren)

2-amino-2-methyl-N-[(2R)-1-(1-methylsulfonylspiro[2H-indole-3,4'-piperidine]-1'-yl)-1-oxo-3-phenylmethoxypropan-2-yl]propanamide;methanesulfonic acid

Compound	: MK-677	Client	: UMBRELLA.us
Lot number	: UL-15714		3280 E Hemisphere Loop
Analysis Date	: 2022-05-11		Tucson, Arizona 85706
Purity %	: 99.42%		
Method	: Mass Spectrometry & UV	Batch number:	UL-15714

PubChem CID: 178024

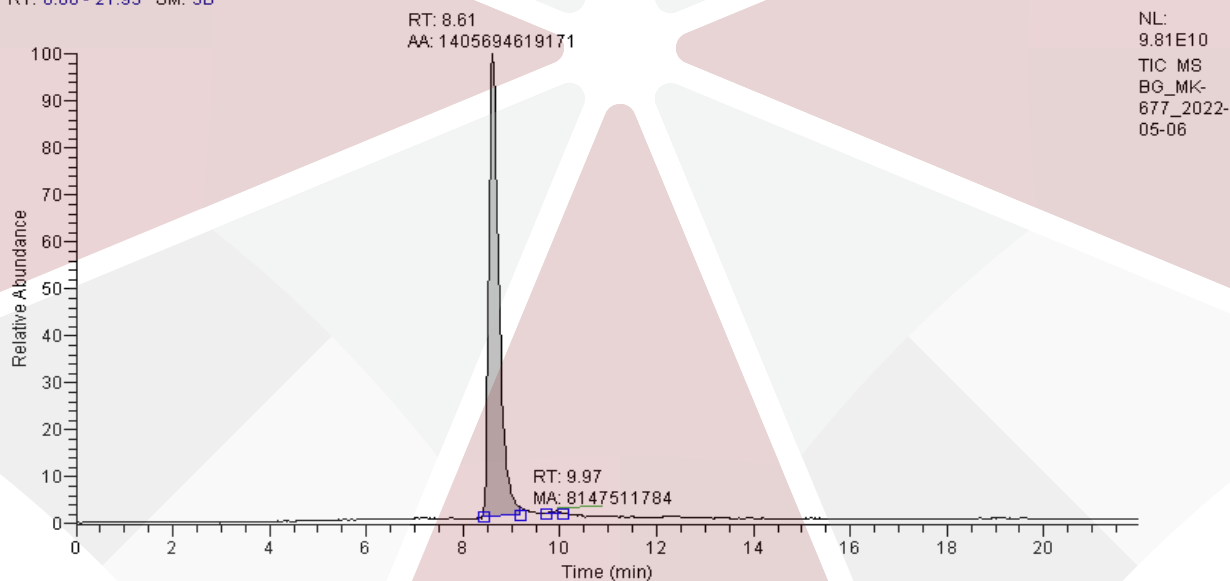
<https://pubchem.ncbi.nlm.nih.gov/compound/178024>

C:\Xcalibur\...BG_MK-677_2022-05-06

5/11/2022 5:55:00 PM

Background subtracted file

RT: 0.00 - 21.95 SM: 3B



NL:
 9.81E10
 TIC MS
 BG_MK-
 677_2022-
 05-06

PEAK LIST	Number of detected peaks: 2		
Time (min)	Area	%Area	
8.61	1.41E+12	99.42	MK-677
9.97	8.15E+09	0.58	

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

Peak purity confirmed using UV detection
 Peak identity confirmed by mass spectrum evaluation
 Expected mass: 528.2 g
 Measured mass: 528.1 g
 Molecular weight confirmed



2022-05-11