

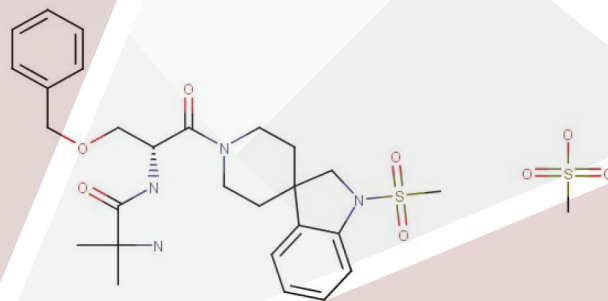
# Certificate of Analysis

## 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  
**Lot number** : 2020-11-10 #2  
**Analysis Date** : 2020-11-12  
**Purity %** : 100.00%  
**Method** : Mass Spectrometry & UV

**Client** : UMBRELLA.us  
 3280 E Hemisphere Loop  
 Tucson, Arizona 86706



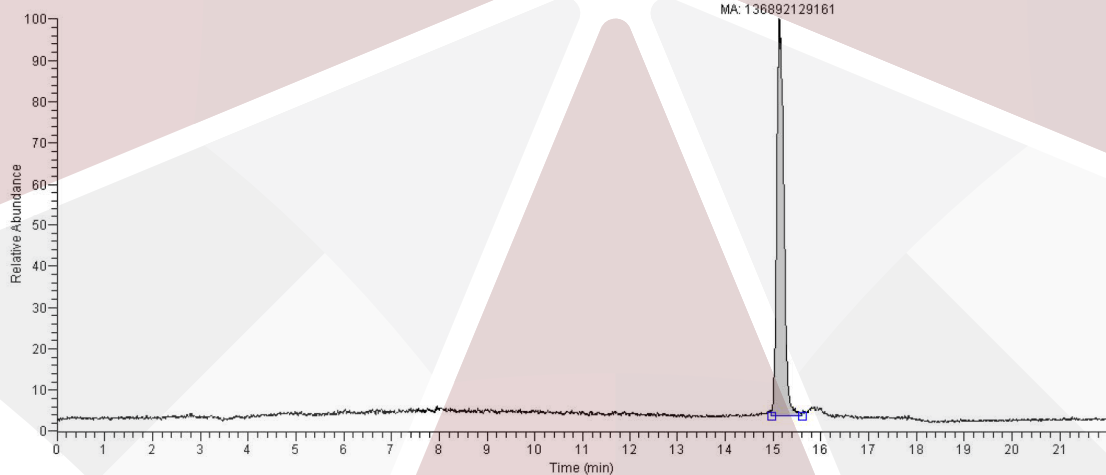
PubChem CID: 178024

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

C:\xcalibur\...MK-677\_2020-11-10\_2

11/12/2020 4:54:22 PM

RT: 0.00 - 22.00 SM: 3B



NL:  
 1.39E10  
 TIC MS  
 MK-  
 677\_2020-  
 11-10\_2

PEAK LIST	Number of detected peaks: 1		
Time (min)	Area	%Area	
15.13	1.37E+11	100.00	MK-677

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

Peak identity confirmed by mass spectrum evaluation  
 Peak purity confirmed using UV detection



11/16/2020