

# Certificate of Analysis

## MK-677 (Ibutamoren) 25 mg/ml

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

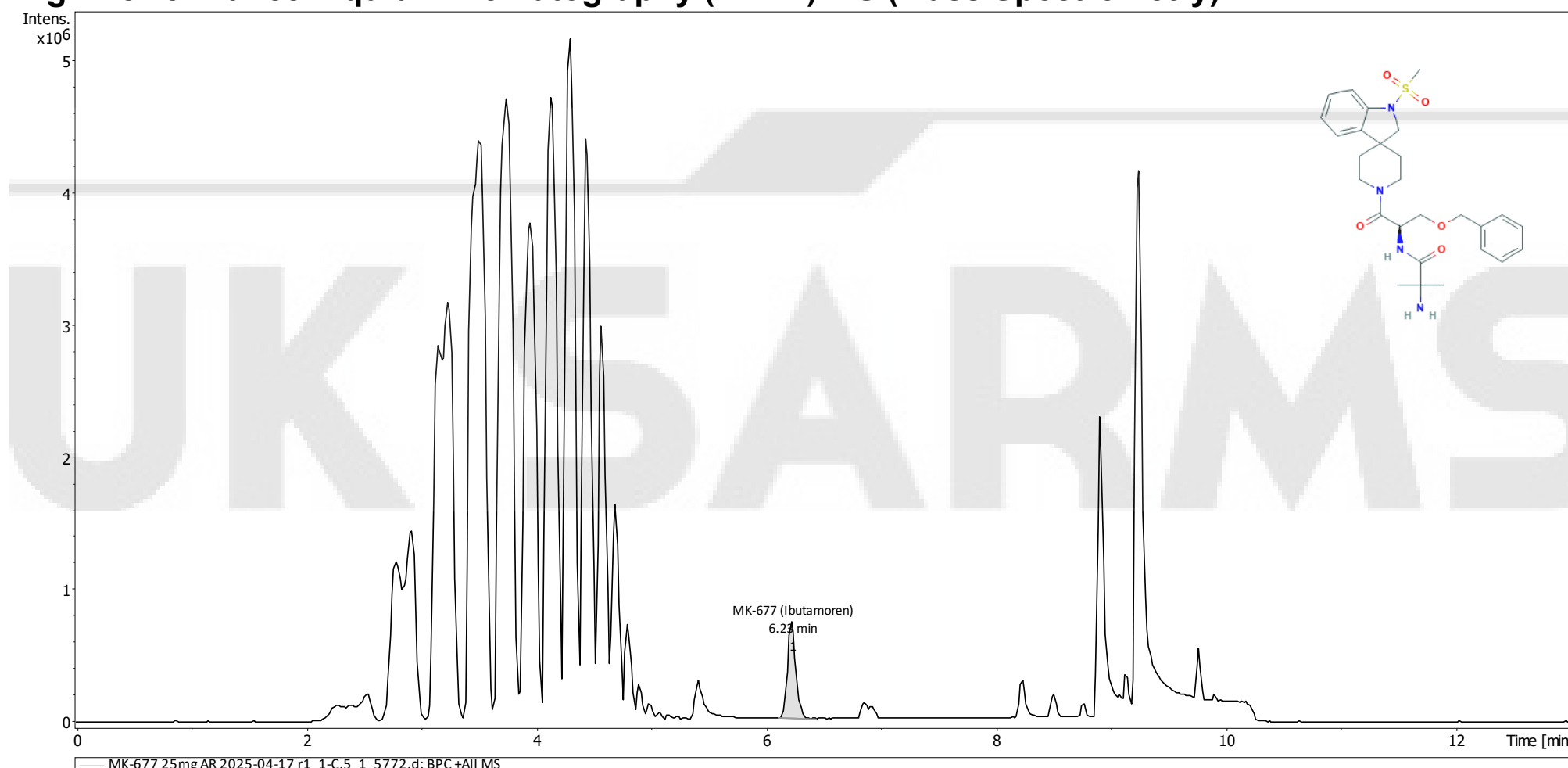
**Compound** : MK-677  
**Lot number** : 2025-04-17  
**Analysis date** : 2025-05-19  
**Concentration** : 22.4 mg/ml  
**Method** : HPLC-MS

**Client** : UK SARMS  
<https://www.uksarms.com/>  
[customer.service@uksarms.com](mailto:customer.service@uksarms.com)

PubChem CID: 178024

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

### High Performance Liquid Chromatography (HPLC) MS (Mass Spectrometry)



**MK-677 detected at 6.23 minutes**

Background peaks due to liquid excipient

#### Quantification by HPLC-MS

| Replicates                   | mg/ml       |
|------------------------------|-------------|
| MK-677 25mg AR 2025-04-17 r1 | 22.2        |
| MK-677 25mg AR 2025-04-17 r2 | 22.6        |
| <b>Average mg/ml</b>         | <b>22.4</b> |

Analysis Performed by  
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MZ Biolabs  
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2025-05-29

# MK-677 (Ibutamoren) 25 mg/ml

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

## Mass Spectrometry (MS) – Identity Test

### Identity confirmed using HPLC-MS

Molecular weight calculated using monoisotopic m/z values from mass spectrum

Expected monoisotopic mass : 528.24 Da

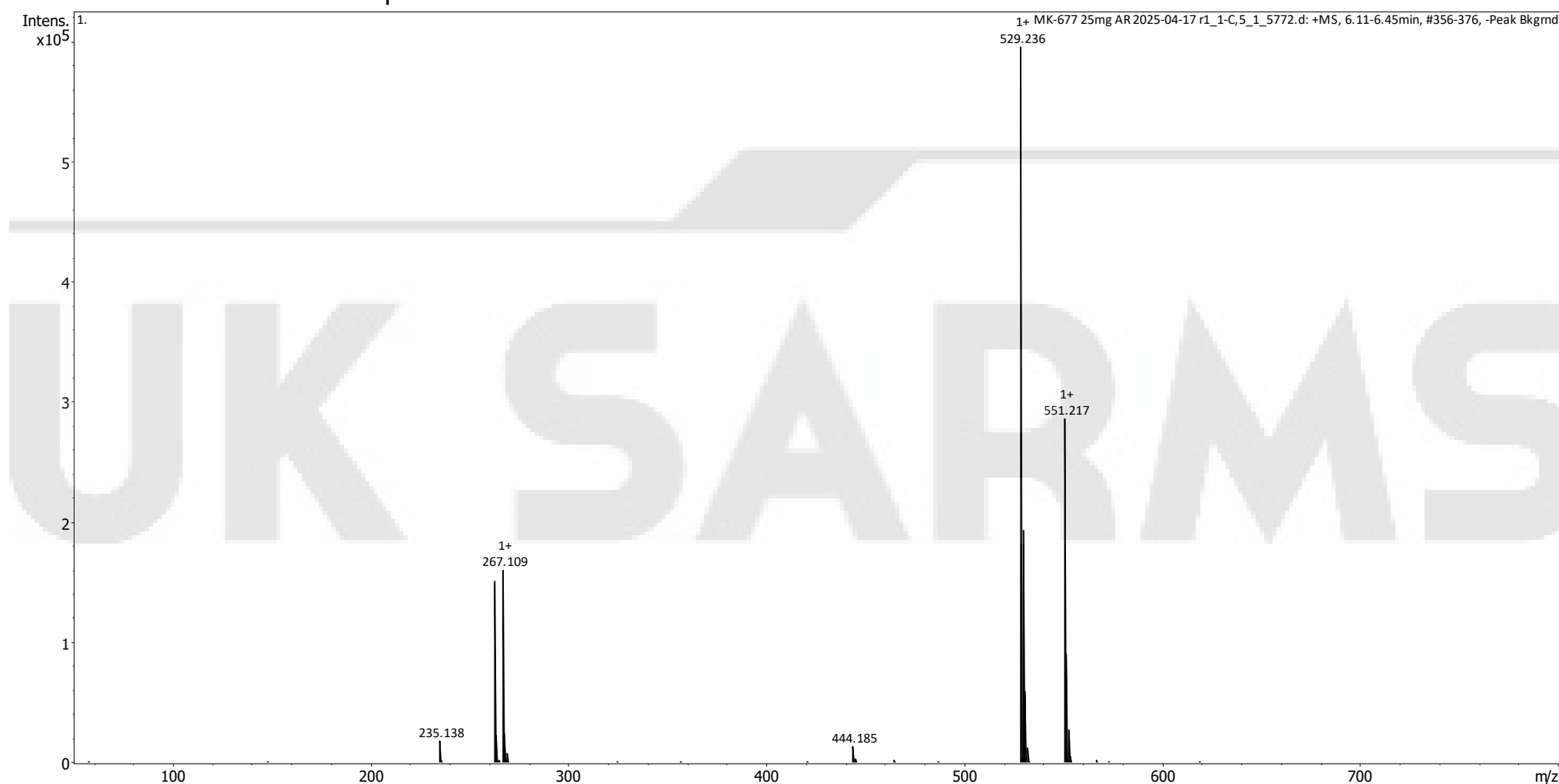
Measured monoisotopic mass : 528.24 Da

**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



Analysis Performed by  
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2025-05-29