

# Certificate of Analysis

## RAD-140

2-chloro-4-[[[(1R,2S)-1-[5-(4-cyanophenyl)-1,3,4-oxadiazol-2-yl]-2-hydroxypropyl]amino]-3-methylbenzonitrile

<b>Compound</b>	: <b>RAD-140</b>	<b>Client</b>	: <b>UK SARMS</b>
<b>Lot number</b>	: <b>2022-08-01</b>		: <a href="https://www.uksarms.com/">https://www.uksarms.com/</a>
<b>Analysis date</b>	: <b>2022-08-03</b>		: <a href="mailto:customer.service@uksarms.com">customer.service@uksarms.com</a>
<b>Purity %</b>	: <b>99.86%</b>		
<b>Method</b>	: <b>Mass Spectrometry &amp; UV</b>		

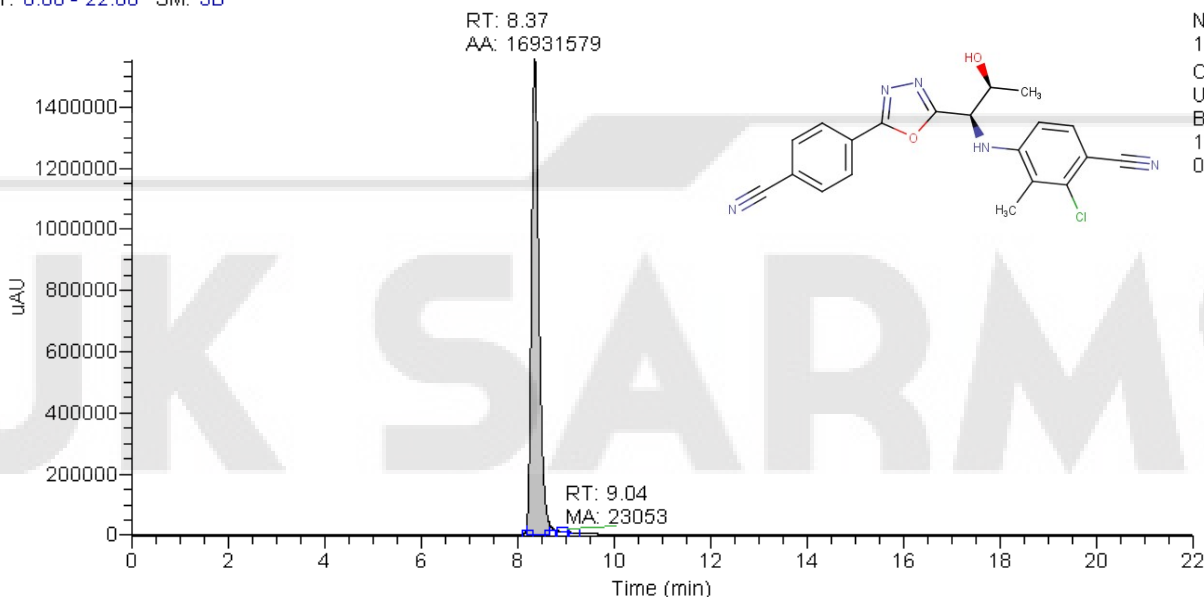
PubChem CID: 44200882  
<https://pubchem.ncbi.nlm.nih.gov/compound/44200882>

C:\Xcalibur\...BG\_RAD-140\_2022-08-01

8/4/2022 11:24:52 AM

Background subtracted file

RT: 0.00 - 22.00 SM: 3B



NL:  
 1.56E6  
 Channel A  
 UV  
 BG\_RAD-  
 140\_2022-  
 08-01

PEAK LIST	Number of detected peaks: 2		
Time (min)	Area	%Area	
<b>8.37</b>	<b>1.69E+07</b>	<b>99.86</b>	<b>RAD-140</b>
9.04	2.31E+04	0.14	

Analysis Performed by  
 Ken Pendarvis, ChE  
 Analytical Chemist  
 MZ Biolabs  
[contact@mzbiolabs.com](mailto:contact@mzbiolabs.com)

Peak purity confirmed using UV detection  
 Peak identity confirmed by mass spectrum evaluation  
 Expected mass: 393.1 g  
 Measured mass: 393.1 g  
 Molecular weight confirmed



2022-08-04

# Certificate of Analysis

## RAD-150, TLB-150 Benzoate

**Compound** : RAD-150  
**Lot number** : 2022-08-01  
**Analysis date** : 2022-08-04  
**Purity %** : 93.91%  
**Method** : Mass Spectrometry & UV

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

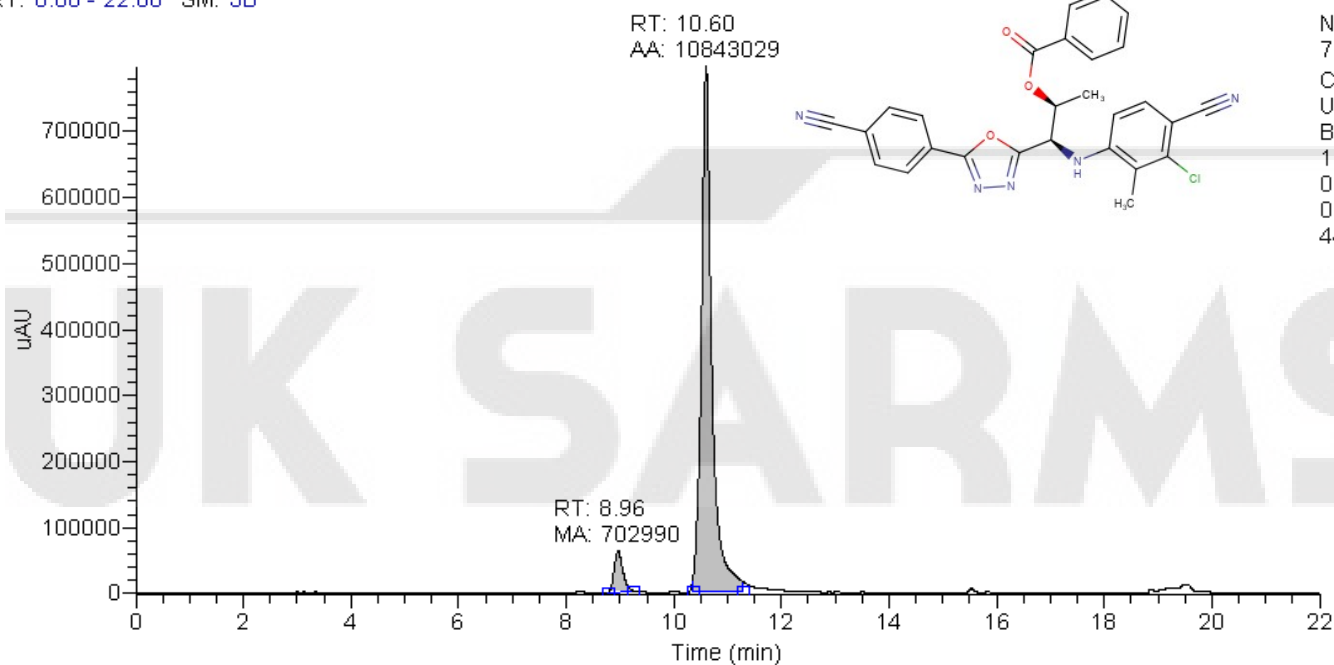
CAS# 1208070-53-7

BG\_RAD-150\_2022-08-01\_220804144220

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Background subtracted file

RT: 0.00 - 22.00 SM: 3B



NL: 7.98E5  
 Channel A  
 UV  
 BG\_RAD-150\_2022-08-01\_220804144220

PEAK LIST	Number of detected peaks: 2		
Time (min)	Area	%Area	
8.96	7.03E+05	6.09	
<b>10.6</b>	<b>1.08E+07</b>	<b>93.91</b>	<b>RAD-150</b>

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: 497.1 g  
 Measured mass: 497.1 g  
 Molecular weight confirmed



2022-08-04

# Certificate of Analysis

## RU-58841

4-(3-(4-Hydroxybutyl)-4,4-dimethyl-2,5-dioxoimidazolidin-1-yl)-2-(trifluoromethyl)benzonitrile

**Compound** : RU-58841  
**Lot number** : 2022-08-01  
**Analysis date** : 2022-08-03  
**Purity %** : 99.83%  
**Method** : Mass Spectrometry & UV

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

PubChem CID: 132981

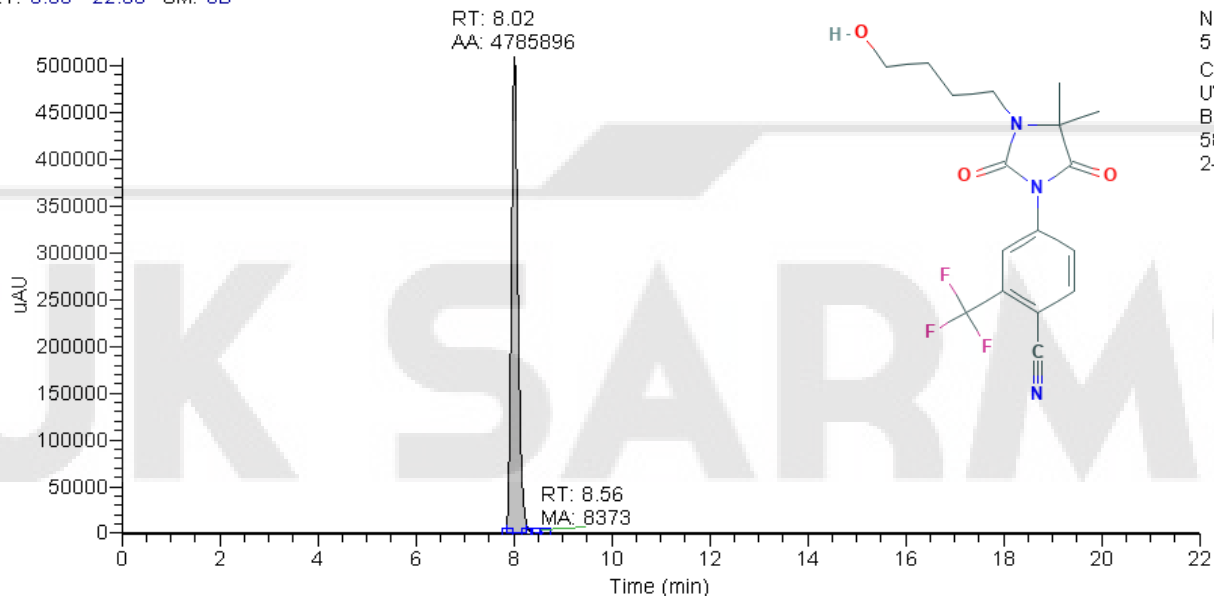
<https://pubchem.ncbi.nlm.nih.gov/compound/132981>

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Background subtracted file

RT: 0.00 - 22.00 SM: 3B



PEAK LIST	Number of detected peaks: 2		
Time (min)	Area	%Area	
8.02	4.79E+06	99.83	RU-58841
8.56	8.37E+03	0.17	

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: 369.1 g  
Measured mass: 369.2 g  
Molecular weight confirmed



2022-08-04

# Certificate of Analysis

## Andarine S-4

(2S)-3-(4-acetamidophenoxy)-2-hydroxy-2-methyl-N-[4-nitro-3-(trifluoromethyl)phenyl]propanamide

<b>Compound</b>	: S-4	<b>Client</b>	: UK SARMS
<b>Lot number</b>	: 2022-08-01		: <a href="https://www.uksarms.com/">https://www.uksarms.com/</a>
<b>Analysis Date</b>	: 2022-08-03		: <a href="mailto:customer.service@uksarms.com">customer.service@uksarms.com</a>
<b>Purity %</b>	: 99.68%		
<b>Method</b>	: Mass Spectrometry & UV		

PubCem CID: 9824562

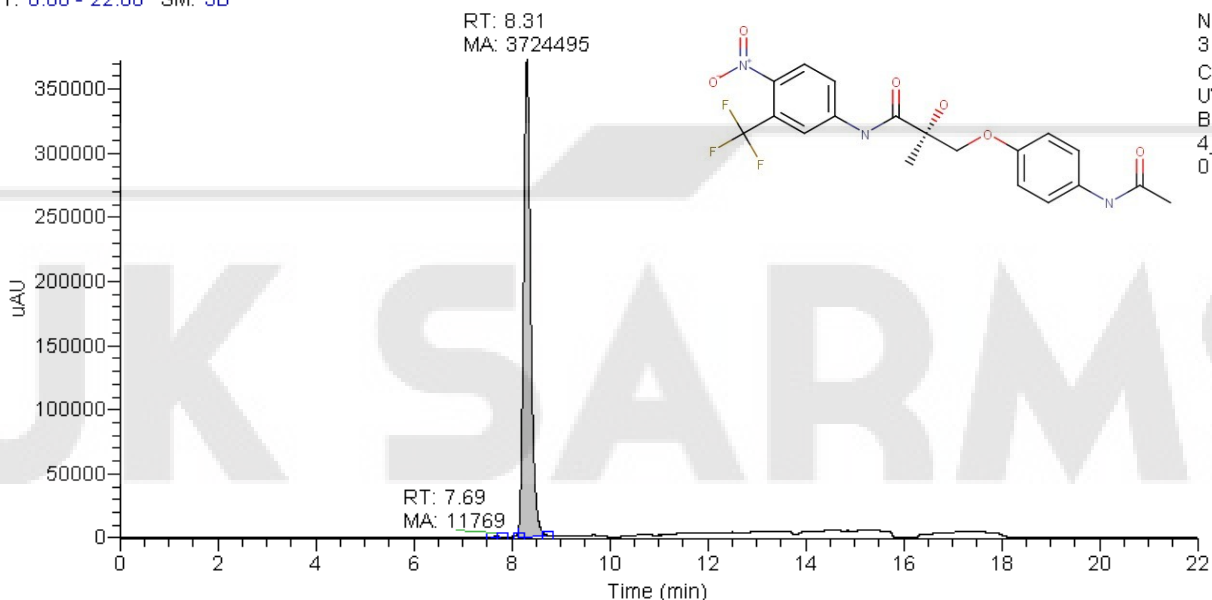
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Background subtracted file

RT: 0.00 - 22.00 SM: 3B



PEAK LIST	Number of detected peaks: 2		
Time (min)	Area	%Area	
7.69	1.18E+04	0.32	
<b>8.31</b>	<b>3.72E+06</b>	<b>99.68</b>	<b>S-4</b>

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: 441.1 g  
 Measured mass: 441.2 g  
 Molecular weight confirmed



2022-08-04

# Certificate of Analysis

## S-23

(2S)-3-(4-chloro-3-fluorophenoxy)-N-[4-cyano-3-(trifluoromethyl)phenyl]-2-hydroxy-2-methylpropanamide

<b>Compound</b>	: S-23	<b>Client</b>	: UK SARMS
<b>Lot number</b>	: 2022-08-01		
<b>Analysis date</b>	: 2022-08-03		
<b>Purity %</b>	: 100.00%		
<b>Method</b>	: Mass Spectrometry		

PubChem CID: 24892822

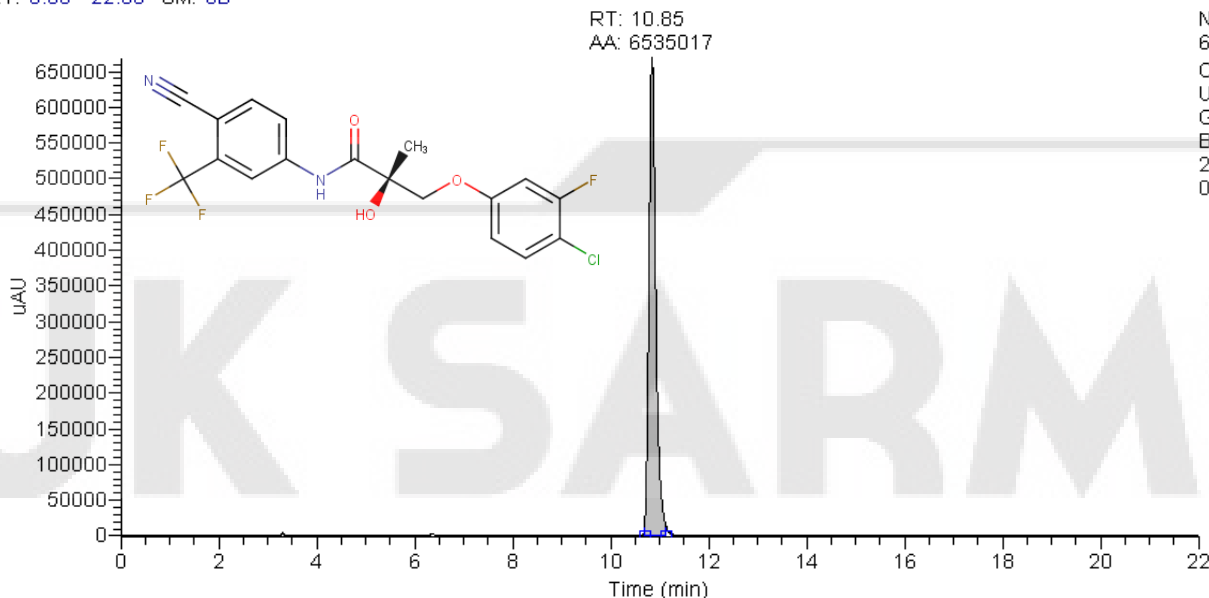
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Background subtracted file

RT: 0.00 - 22.00 SM: 3B



NL:  
 6.69E5  
 Channel A  
 UV  
 Genesis  
 BG\_S-  
 23\_2022-  
 08-01

PEAK LIST	Number of detected peaks: 1		
Time (min)	Area	%Area	
10.85	6.54E+06	100.00	S-23

Analysis Performed by  
 Ken Pendarvis, ChE  
 Analytical Chemist  
 MZ Biolabs  
[contact@mzbiolabs.com](mailto:contact@mzbiolabs.com)

Peak purity confirmed using UV detection  
 Peak identity confirmed by mass spectrum evaluation  
 Expected mass: 416.1 g  
 Measured mass: 416.1 g  
 Molecular weight confirmed



2022-08-04

# Certificate of Analysis

## SR-9009

Ethyl 3-[[[4-chlorophenyl)methyl]-[(5-nitrothiophen-2-yl)methyl]amino]methyl]pyrrolidine-1-carboxylate

<b>Compound</b>	: SR-9009	<b>Client</b>	: UK SARMS
<b>Lot number</b>	: 2022-08-01		: <a href="https://www.uksarms.com/">https://www.uksarms.com/</a>
<b>Analysis Date</b>	: 2022-08-03		: <a href="mailto:customer.service@uksarms.com">customer.service@uksarms.com</a>
<b>Purity %</b>	: 99.63%		
<b>Method</b>	: Mass Spectrometry & UV		

PubChem CID: 57394020

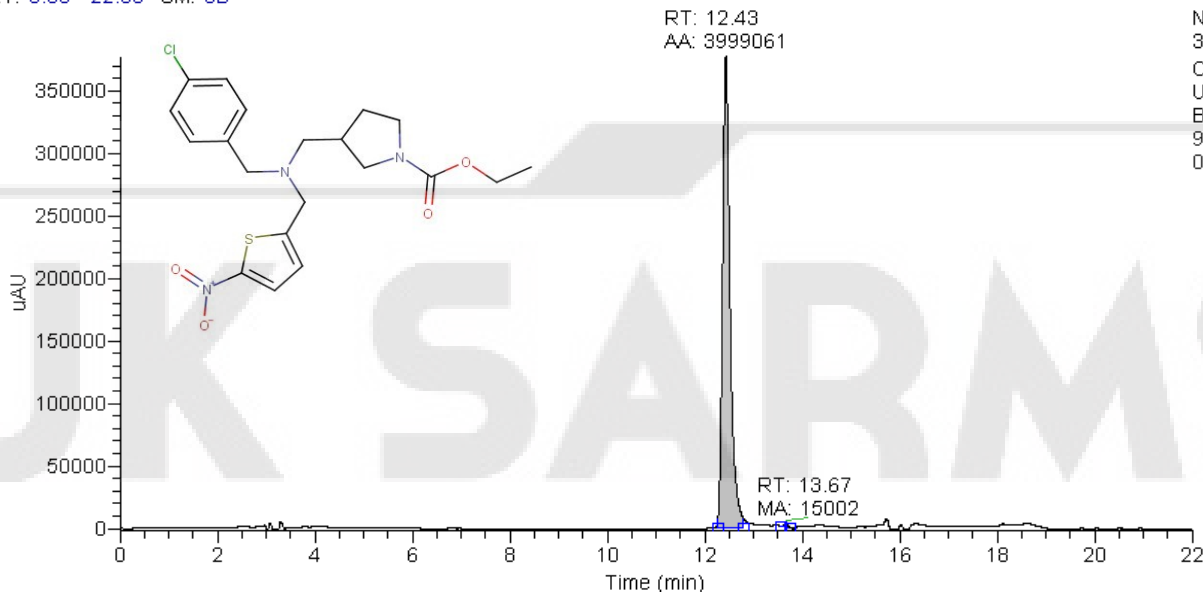
<https://pubchem.ncbi.nlm.nih.gov/compound/57394020>

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RT: 0.00 - 22.00 SM: 3B



PEAK LIST	Number of detected peaks: 2		
Time (min)	Area	%Area	
12.43	4.00E+06	99.63	SR-9009
13.67	1.50E+04	0.37	

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: 437.1 g  
 Measured mass: 437.1 g  
 Molecular weight confirmed



2022-08-04

# Certificate of Analysis

## SR-9011

3-[[[(4-chlorophenyl)methyl]-[(5-nitrothiophen-2-yl)methyl]amino]methyl]-N-pentylpyrrolidine-1-carboxamide

**Compound** : SR-9011      **Client** : UK SARMS  
**Lot number** : 2022-08-01      <https://www.uksarms.com/>  
**Analysis Date** : 2022-08-03      [customer.service@uksarms.com](mailto:customer.service@uksarms.com)  
**Purity %** : 99.67%  
**Method** : Mass Spectrometry & UV

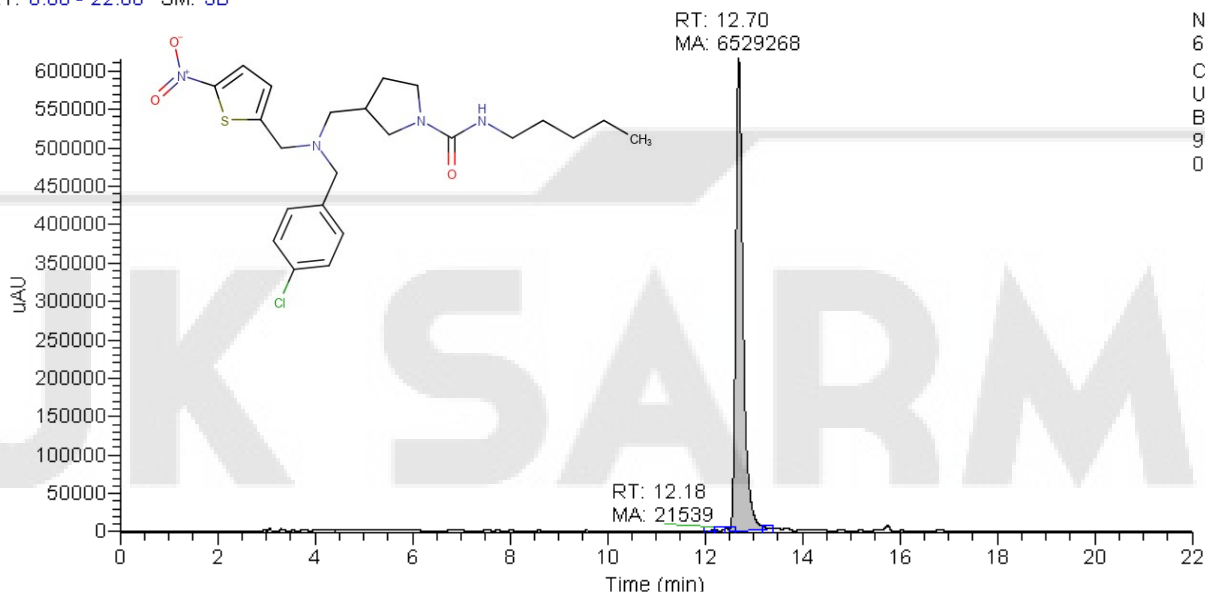
PubChem CID: 57394021  
<https://pubchem.ncbi.nlm.nih.gov/compound/57394021>

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RT: 0.00 - 22.00 SM: 3B



PEAK LIST	Number of detected peaks: 2		
Time (min)	Area	%Area	
12.18	2.15E+04	0.33	
<b>12.7</b>	<b>6.53E+06</b>	<b>99.67</b>	<b>SR-9011</b>

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: 478.2 g  
Measured mass: 478.2 g  
Molecular Weight confirmed



2022-08-04

# Certificate of Analysis

## YK-11

17,20-((1-methoxyethylidene)bis(oxy))-3-oxo-19-norpregna-4,20-diene-21-carboxylic acid methyl ester

<b>Compound</b>	: <b>YK-11</b>	<b>Client</b>	: <b>UK SARMS</b>
<b>Lot number</b>	: <b>2022-08-01</b>		: <a href="https://www.uksarms.com/">https://www.uksarms.com/</a>
<b>Analysis Date</b>	: <b>2022-08-03</b>		: <a href="mailto:customer.service@uksarms.com">customer.service@uksarms.com</a>
<b>Purity %</b>	: <b>99.70%</b>		
<b>Method</b>	: <b>Mass Spectrometry &amp; UV</b>		

PubChem CID: 119058028

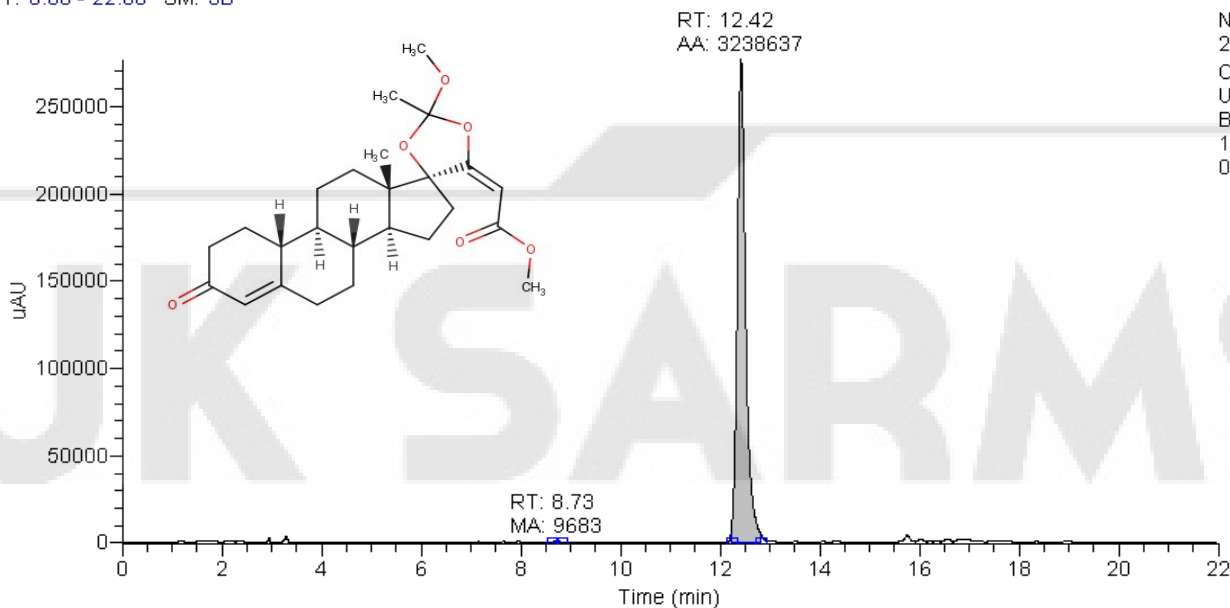
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RT: 0.00 - 22.00 SM: 3B



PEAK LIST	Number of detected peaks: 2		
Time (min)	Area	%Area	
8.73	9.68E+03	0.30	
<b>12.42</b>	<b>3.24E+06</b>	<b>99.70</b>	<b>YK-11</b>

Analysis Performed by  
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 Analytical Chemist  
 MZ Biolabs  
[contact@mzbiolabs.com](mailto:contact@mzbiolabs.com)

Peak purity confirmed using UV detection  
 Peak identity confirmed by mass spectrum evaluation  
 Expected mass : 430.2 g  
 Observed mass : 430.2 g  
 Molecular weight confirmed



2022-08-04



# Certificate of Analysis

## Enclomiphene

2-[4-[(E)-2-chloro-1,2-diphenylethenyl]phenoxy]-N,N-diethylethanamine

<b>Compound</b>	: <b>Enclomiphene</b>	<b>Client</b>	: <b>UK SARMS</b>
<b>Lot number</b>	: <b>2022-08-01</b>		: <a href="https://www.uksarms.com/">https://www.uksarms.com/</a>
<b>Analysis date</b>	: <b>2022-08-08</b>		: <a href="mailto:customer.service@uksarms.com">customer.service@uksarms.com</a>
<b>Purity %</b>	: <b>100.00%</b>		
<b>Method</b>	: <b>Mass Spectrometry and UV</b>		

PubChem CID: 1548953

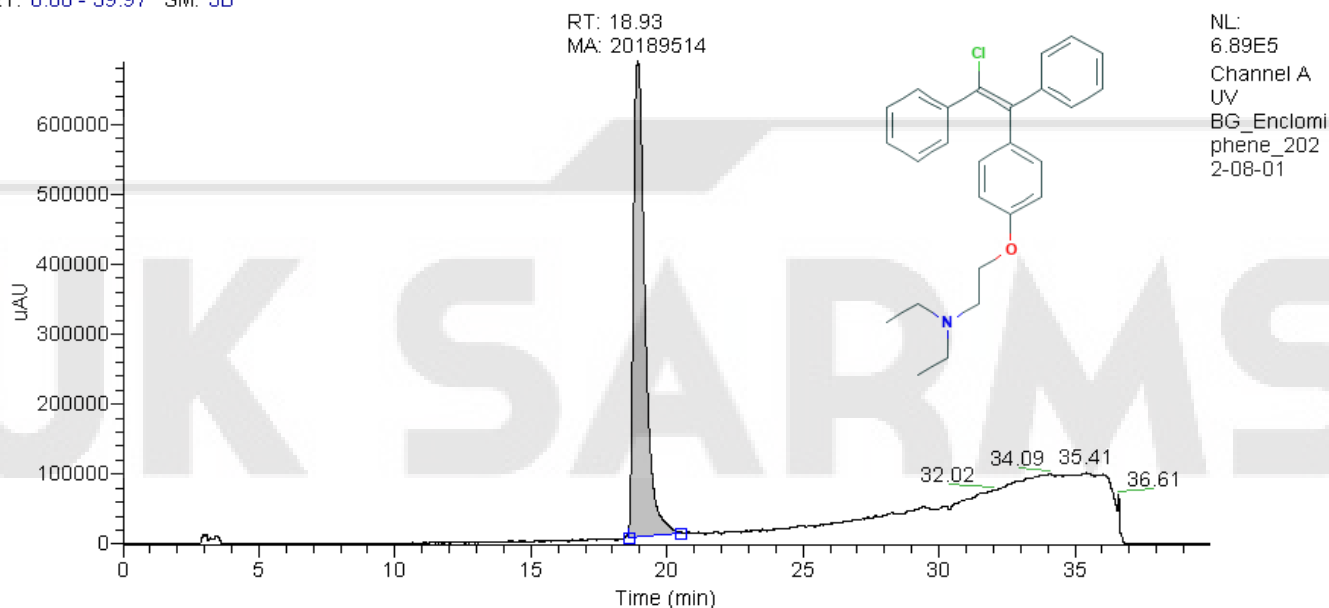
<https://pubchem.ncbi.nlm.nih.gov/compound/1548953>

BG\_Enclomiphene\_2022-08-01

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RT: 0.00 - 39.97 SM: 3B



PEAK LIST	Number of detected peaks: 1		
Time (min)	Area	%Area	
18.93	2.02E+07	100.00	Enclomiphene

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

Peak identity confirmed by mass spectrum evaluation  
Expected mass : 405.2 g  
Measured mass : 405.2 g  
Molecular weight confirmed



2022-08-08

# Certificate of Analysis

## GW-0742

2-[4-[[2-[3-fluoro-4-(trifluoromethyl)phenyl]-4-methyl-1,3-thiazol-5-yl]methylsulfanyl]-2-methylphenoxy]acetic acid

<b>Compound</b>	: <b>GW-0742</b>	<b>Client</b>	: <b>UK SARMS</b>
<b>Lot number</b>	: <b>2022-08-01</b>		: <a href="https://www.uksarms.com/">https://www.uksarms.com/</a>
<b>Analysis date</b>	: <b>2022-08-03</b>		: <a href="mailto:customer.service@uksarms.com">customer.service@uksarms.com</a>
<b>Purity %</b>	: <b>99.87%</b>		
<b>Method</b>	: <b>Mass Spectrometry &amp; UV</b>		

PubChem CID: 9934458

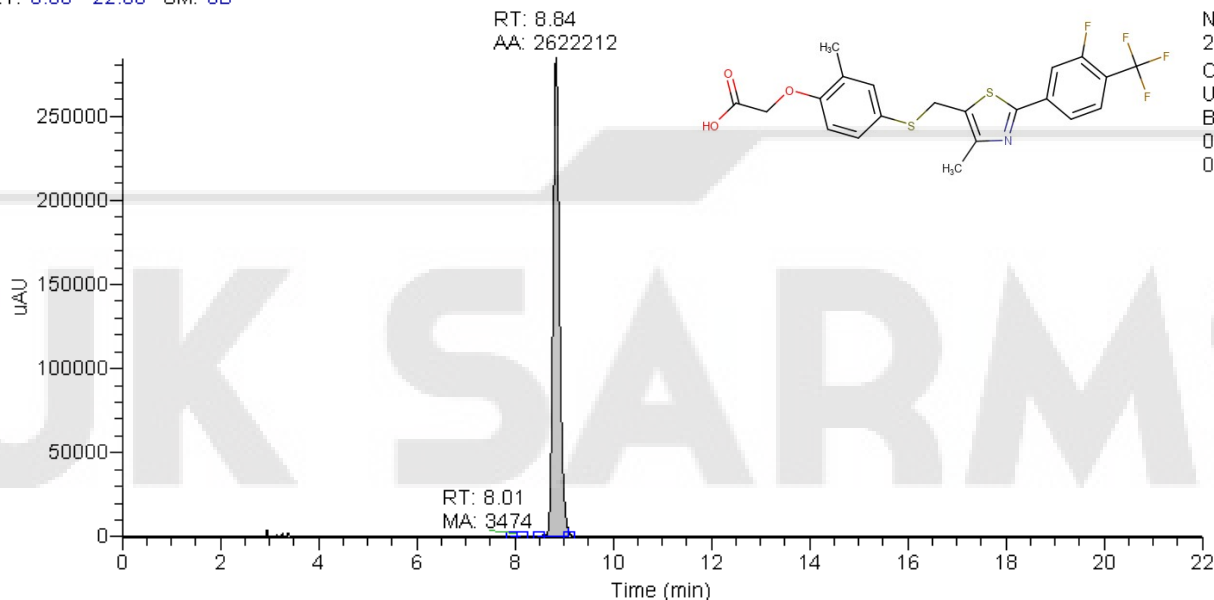
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RT: 0.00 - 22.00 SM: 3B



PEAK LIST	Number of detected peaks: 2		
Time (min)	Area	%Area	
8.01	3.47E+03	0.13	
<b>8.84</b>	<b>2.62E+06</b>	<b>99.87</b>	<b>GW-0742</b>

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: 471.1 g  
 Measured mass: 471.1 g  
 Molecular weight confirmed



2022-08-04

# Certificate of Analysis

## GW-501516

2-[2-methyl-4-[[4-methyl-2-[4-(trifluoromethyl)phenyl]-1,3-thiazol-5-yl]methylsulfanyl]phenoxy]acetic acid

<b>Compound</b>	: <b>GW-501516</b>	<b>Client</b>	: <b>UK SARMS</b>
<b>Lot number</b>	: <b>2022-08-01</b>		
<b>Analysis date</b>	: <b>2022-08-03</b>		
<b>Purity %</b>	: <b>99.48%</b>		
<b>Method</b>	: <b>Mass Spectrometry &amp; UV</b>		

PubChem CID: 9803963

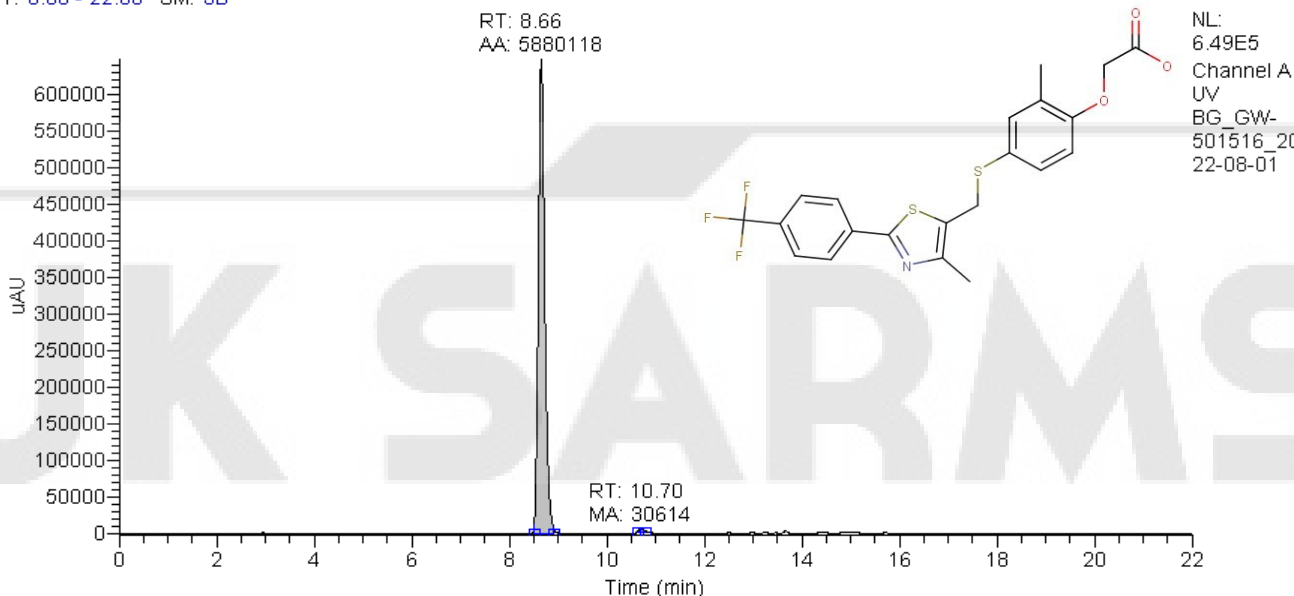
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Background subtracted file

RT: 0.00 - 22.00 SM: 3B



PEAK LIST	Number of detected peaks: 2		
Time (min)	Area	%Area	
8.66	5.88E+06	99.48	GW-501516
10.7	3.06E+04	0.52	

Analysis Performed by  
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 Analytical Chemist  
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Peak purity confirmed using UV detection  
 Peak identity confirmed by mass spectrum evaluation  
 Expected mass : 453.1 g  
 Observed mass : 453.1 g  
 Molecular weight confirmed



2022-08-04

# Certificate of Analysis

## LGD-3303

9-Chloro-2-ethyl-1-methyl-3-(2,2,2-trifluoroethyl)-3h-pyrrolo(3,2-f)quinolin-7(6h)-one

<b>Compound</b>	: <b>LGD-3303</b>	<b>Client</b>	: <b>UK SARMS</b>
<b>Lot number</b>	: <b>2022-08-01</b>		
<b>Analysis Date</b>	: <b>2022-08-03</b>		
<b>Purity %</b>	: <b>99.31%</b>		
<b>Method</b>	: <b>Mass Spectrometry &amp; UV</b>		

<https://www.ukarms.com/>  
[customer.service@ukarms.com](mailto:customer.service@ukarms.com)

PubChem CID : 25195253

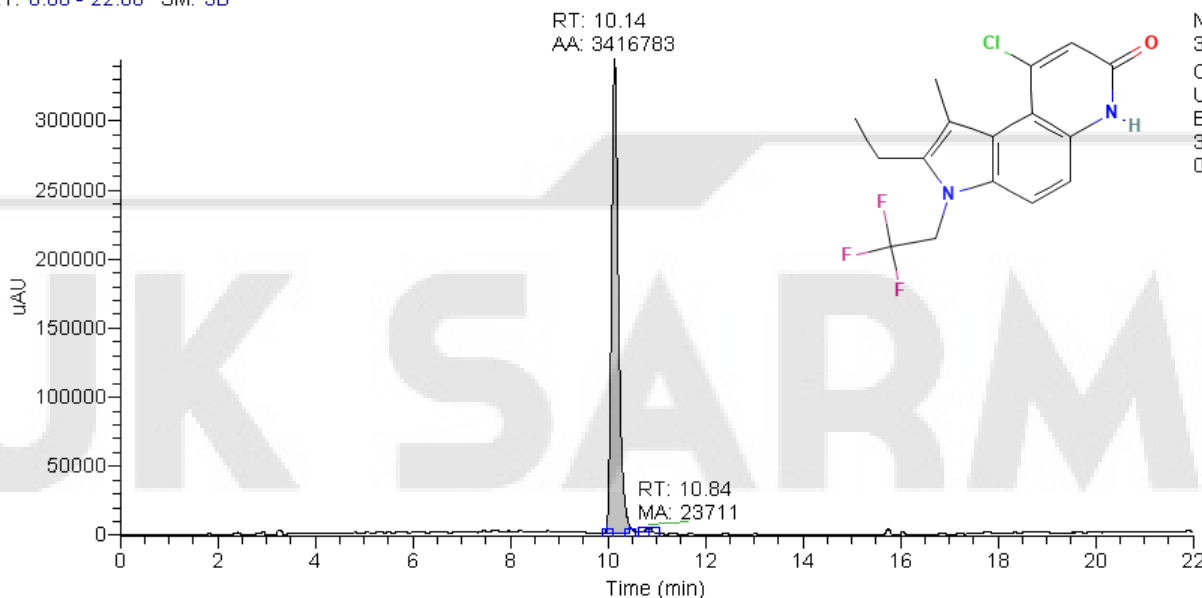
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Background subtracted file

RT: 0.00 - 22.00 SM: 3B



PEAK LIST	Number of detected peaks: 2		
Time (min)	Area	%Area	
<b>10.14</b>	<b>3.42E+06</b>	<b>99.31</b>	<b>LGD-3303</b>
<b>10.84</b>	<b>2.37E+04</b>	<b>0.69</b>	

Analysis Performed by  
 Ken Pendarvis, ChE  
 Analytical Chemist  
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[contact@mzbiolabs.com](mailto:contact@mzbiolabs.com)

Peak purity confirmed using UV detection  
 Peak identity confirmed by mass spectrum evaluation  
 Expected mass: 342.1 g  
 Measured mass: 342.2 g  
 Molecular weight confirmed



2022-08-04

# Certificate of Analysis

## LGD-4033

4-((R)-2-((R)-2,2,2-Trifluoro-1-hydroxyethyl)pyrrolidin-1-yl)-2-(trifluoromethyl)benzonitrile

<b>Compound</b>	: <b>LGD-4033</b>	<b>Client</b>	: <b>UK SARMS</b>
<b>Lot number</b>	: <b>2022-08-01</b>		: <a href="https://www.uksarms.com/">https://www.uksarms.com/</a>
<b>Analysis Date</b>	: <b>2022-08-03</b>		: <a href="mailto:customer.service@uksarms.com">customer.service@uksarms.com</a>
<b>Purity %</b>	: <b>99.82%</b>		
<b>Method</b>	: <b>Mass Spectrometry &amp; UV</b>		

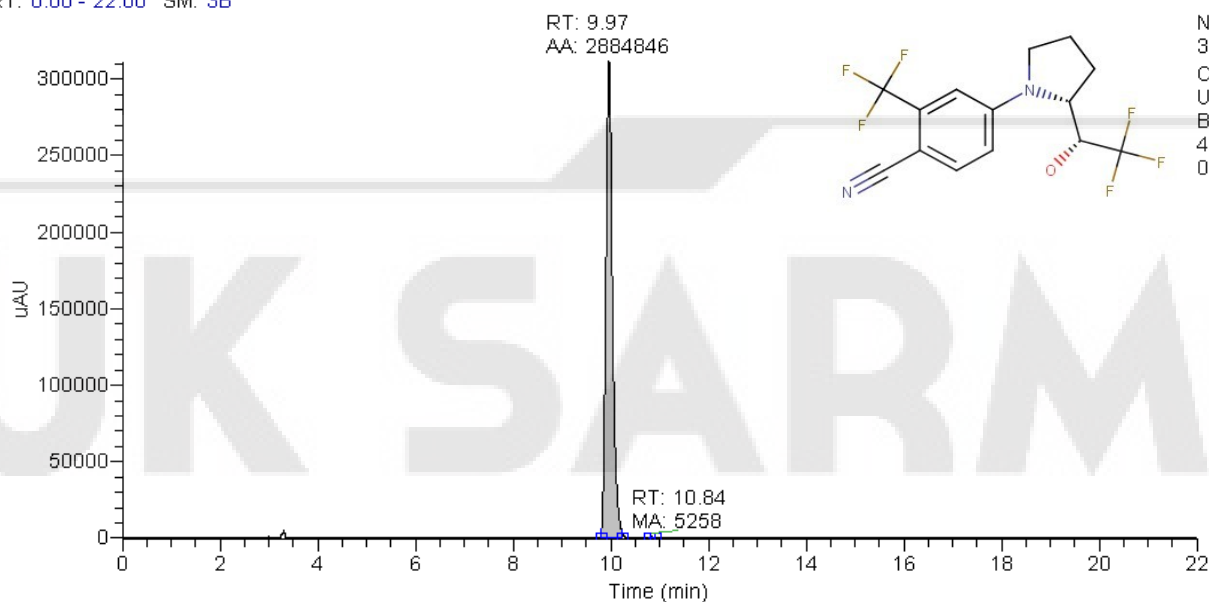
PubChem CID : 44137686  
<https://pubchem.ncbi.nlm.nih.gov/compound/44137686>

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Background subtracted file

RT: 0.00 - 22.00 SM: 3B



PEAK LIST	Number of detected peaks: 2		
Time (min)	Area	%Area	
9.97	2.88E+06	99.82	LGD-4033
10.84	5.26E+03	0.18	

Analysis Performed by  
 Ken Pendarvis, ChE  
 Analytical Chemist  
 MZ Biolabs  
[contact@mzbiolabs.com](mailto:contact@mzbiolabs.com)

Peak purity confirmed using UV detection  
 Peak identity confirmed by mass spectrum evaluation  
 Expected mass: 338.1 g  
 Measured mass: 338.1 g  
 Molecular weight confirmed



2022-08-04



MZ Biolabs  
1635 E 18th St  
Tucson, AZ 85719  
contact@mzbiolabs.com  
www.mzbiolabs.com

# 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** : 2022-08-01  
**Analysis Date** : 2022-08-03  
**Purity %** : 99.93%  
**Method** : Mass Spectrometry & UV

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

PubChem CID: 178024

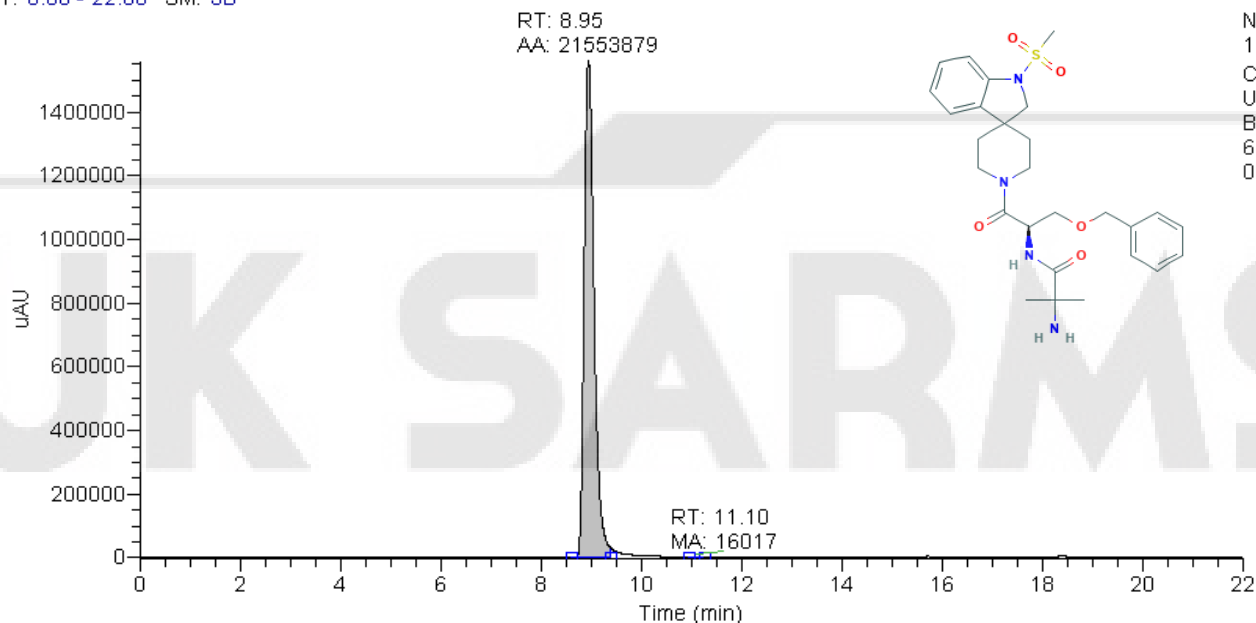
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8/4/2022 10:55:05 AM

Background subtracted file

RT: 0.00 - 22.00 SM: 3B



NL: 1.56E6  
Channel A  
UV  
BG\_MK-677\_2022-08-01

PEAK LIST	Number of detected peaks: 2		
Time (min)	Area	%Area	
8.95	2.16E+07	99.93	MK-677
11.10	1.60E+04	0.07	

Analysis Performed by  
Ken Pendarvis, ChE  
Analytical Chemist  
MZ Biolabs  
[contact@mzbiolabs.com](mailto: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

2022-08-04

# Certificate of Analysis

## MK-2866

(2S)-3-(4-cyanophenoxy)-N-[4-cyano-3-(trifluoromethyl)phenyl]-2-hydroxy-2-methylpropanamide

**Compound** : MK-2866  
**Lot number** : 2022-08-01  
**Analysis Date** : 2022-08-03  
**Purity %** : 100.00%  
**Method** : Mass Spectrometry & UV

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

PubChem CID: 11326715

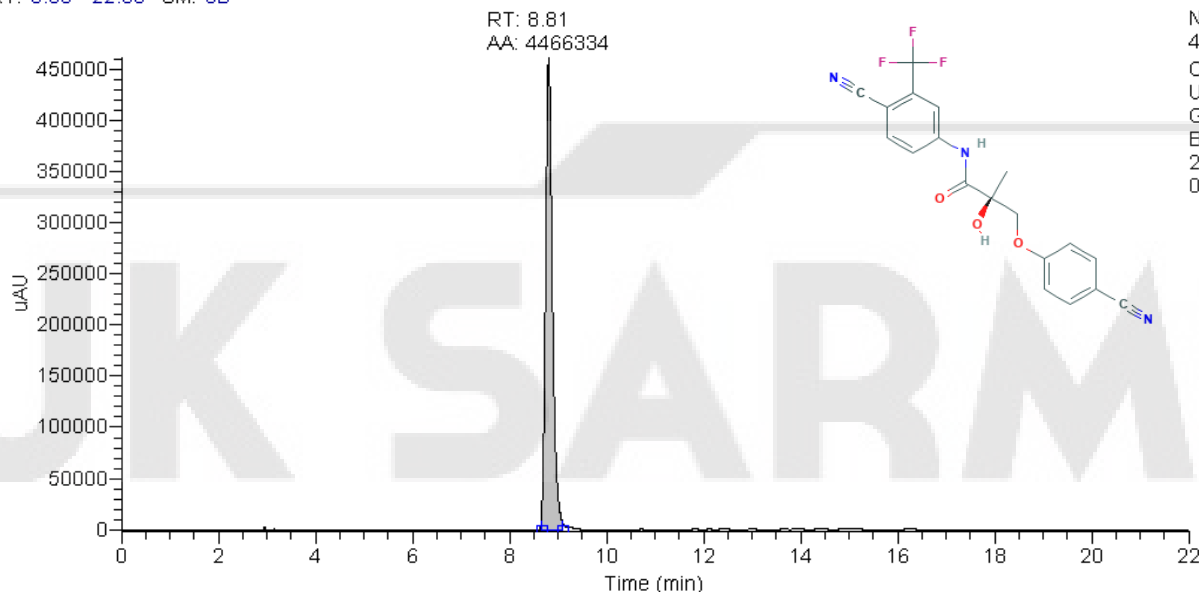
<https://pubchem.ncbi.nlm.nih.gov/compound/11326715>

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8/4/2022 11:20:12 AM

Background subtracted file

RT: 0.00 - 22.00 SM: 3B



PEAK LIST	Number of detected peaks: 1		
Time (min)	Area	%Area	
8.81	4.47E+06	100.00	MK-2866

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 : 389.1 g  
Observed mass : 389.2 g  
Molecular weight confirmed



2022-08-04

MZ BIOLABS  
1635 E 18TH ST  
TUCSON, AZ 85719  
520-553-5489

MZ BIOLABS

Date: 08/08/2022 11:10:29 AM

CREDIT CARD SALE

MASTERCARD

CARD NUMBER: \*\*\*\*\*9270 K

TOTAL AMOUNT: \$2,250.00

APPROVAL CD: 293212

RECORD #: 000

CLERK ID: MZBIOLABS

INVOICE #: 22-060UKS

X \_\_\_\_\_  
Peter Hartley

I AGREE TO PAY THE ABOVE TOTAL AMOUNT  
ACCORDING TO THE CARD ISSUER AGREEMENT  
(MERCHANT AGREEMENT IF CREDIT VOUCHER)