

UHPLC-qTOF

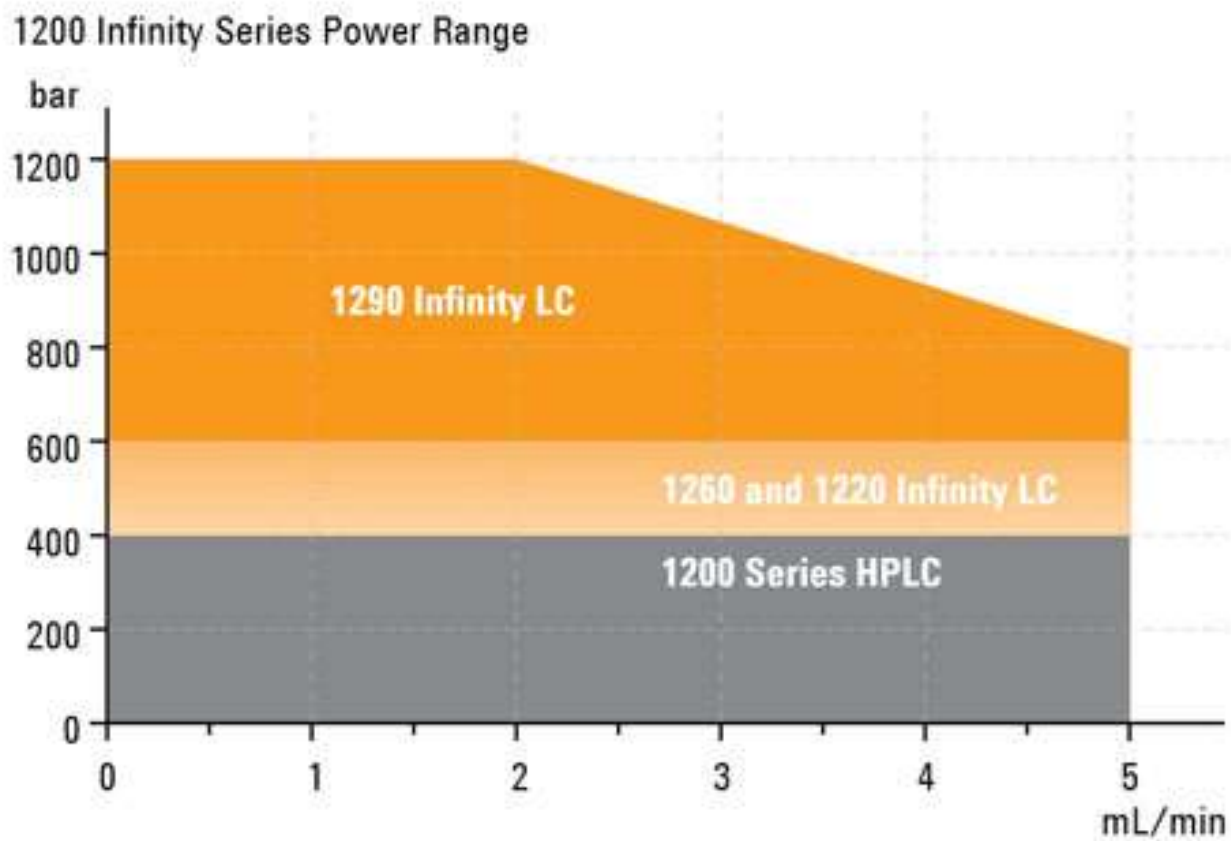


Agilent Infinity 1290 UHPLC

- **1290 Infinity kolonový termostat G1330B**
- **1290 Infinity autosampler G4226A**
- **1290 Infinity binární čerpadlo G4220A**
 - Tlakový rozsah(120 MPa do 2 ml/min,
80 MPa do 5 ml/min)
 - pH 1,0-12,5 (pH<2)
- **1290 Infinity DAD detektor G4212A**



Agilent Infinity 1290 UHPLC



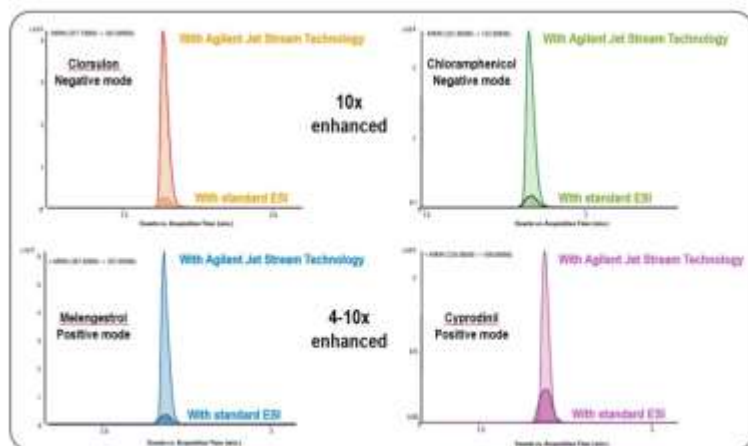
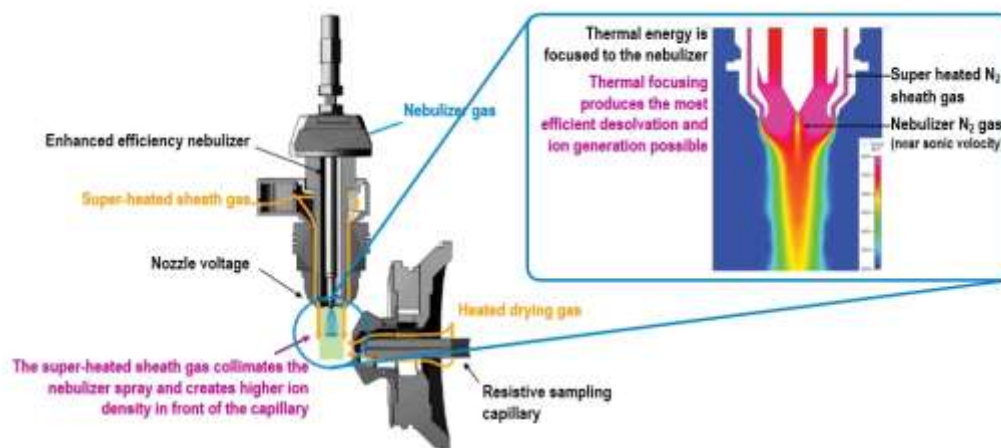
Agilent 6550 Kvadrupól Time-of-Flight hmotnostní spektrometr

- nejvyšší třída LC/Q-TOF MS systémů firmy Agilent
- AJS pro propustnost iontů
- iFunnel technologie pro zaostření paprsku iontů
- v reálných vzorcích v řádech desítek femtogramů
- vysoké rozlišení a přesné hmoty s citlivostí moderních trojitých kvadrupólů

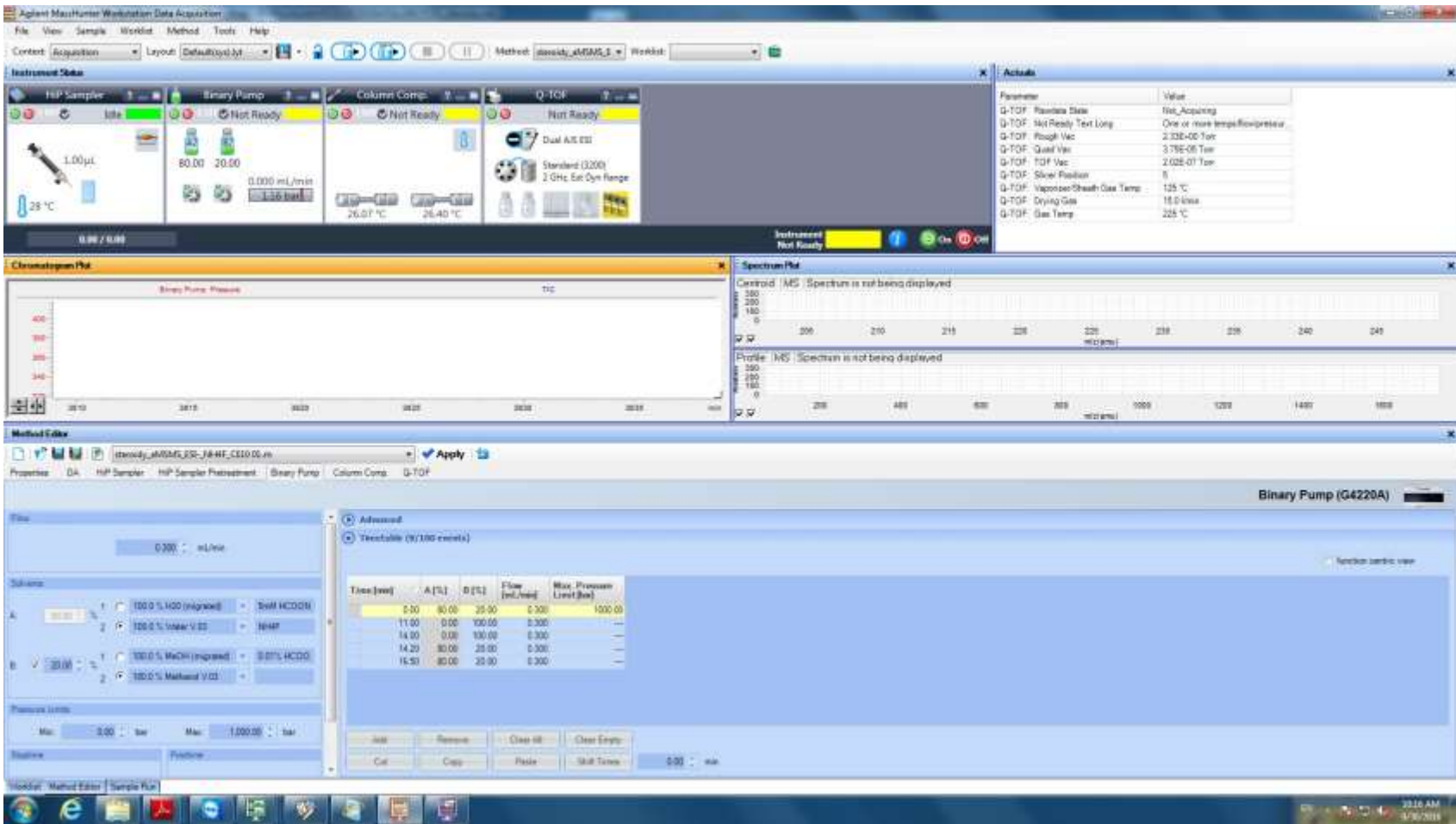


Iontový zdroj – elektrosprej -Agilent Jet Stream

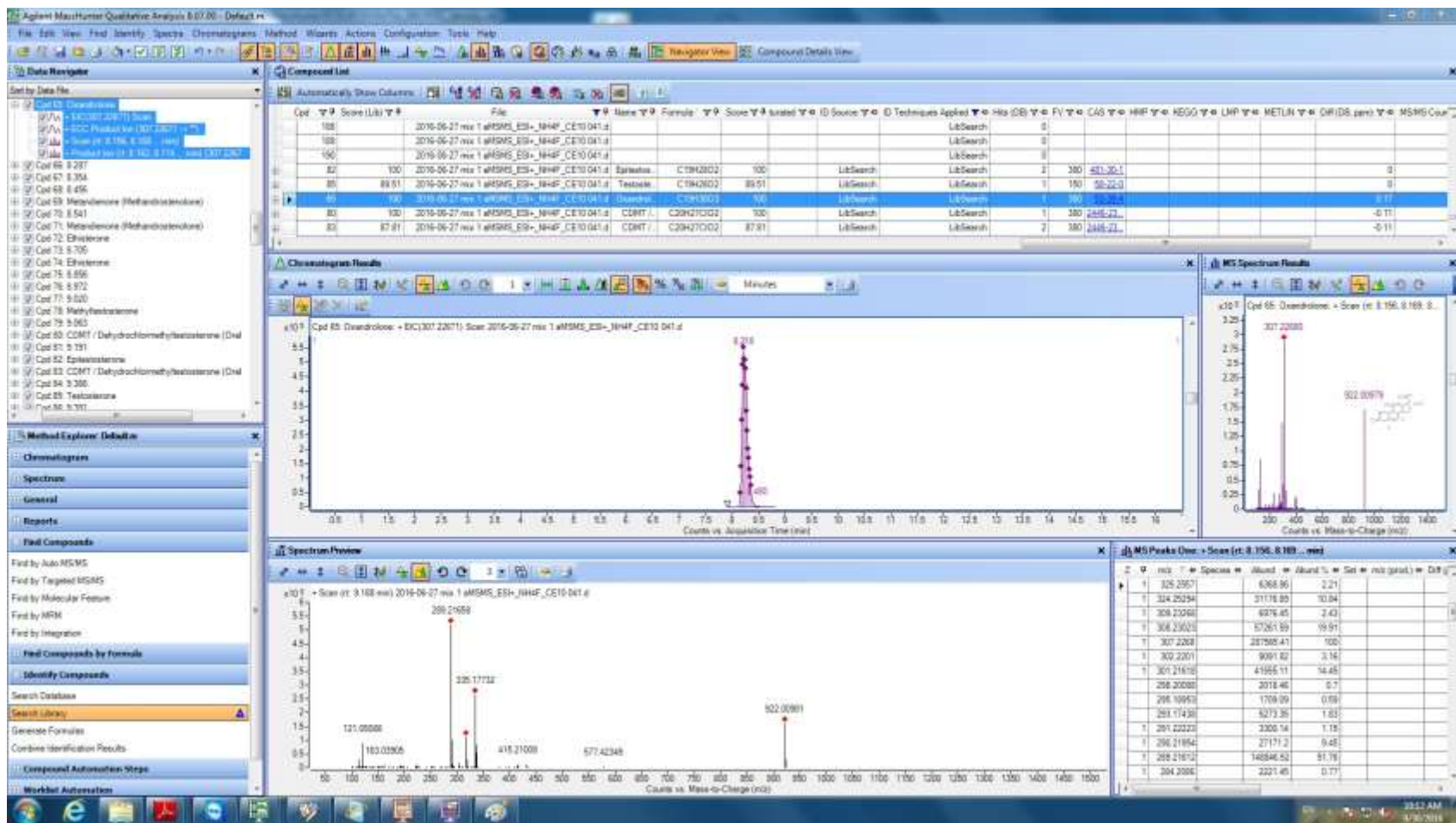
- Agilent ESI s ortogonálním uspořádáním
- koaxiální proud plynu navíc
- Fokusovaná zóna bohatá na ionty před vstupní kapilárou
- 10 x zvýšení citlivosti



MassHunter Software



MassHunter Software



MassHunter Software

MassHunter PCDL Manager for Forensics and Toxicology: D:\MassHunter\PCDL\PCDLForTox_AM_PCDL_000001.cdl

File Edit View PCDL Links Help

Find Compounds

Single Search Batch Search Batch Summary Edit Compounds Spectra Search Browse Spectra Edit Spectra

Mass: (M+H)⁺ Neutral (M-H)⁻

Mass tolerance: 10.0 ppm mDa

Retention time: min

RT tolerance: 0.1 min

Ion search mode:

- ☒ Include neutrals
- ☒ Include anions
- ☒ Include cations

Formula:

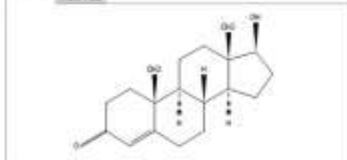
Name:

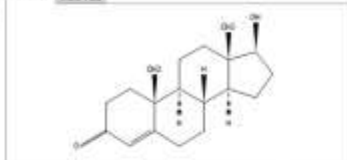
Notes:

IUPAC:

CAS:

ChemSpider:

Molecule: 

Structure: 

Notes: Forensic and Toxicology drug; Veterinary drug; Equine drug; Human doping drug; Anabolic agent; Androgen

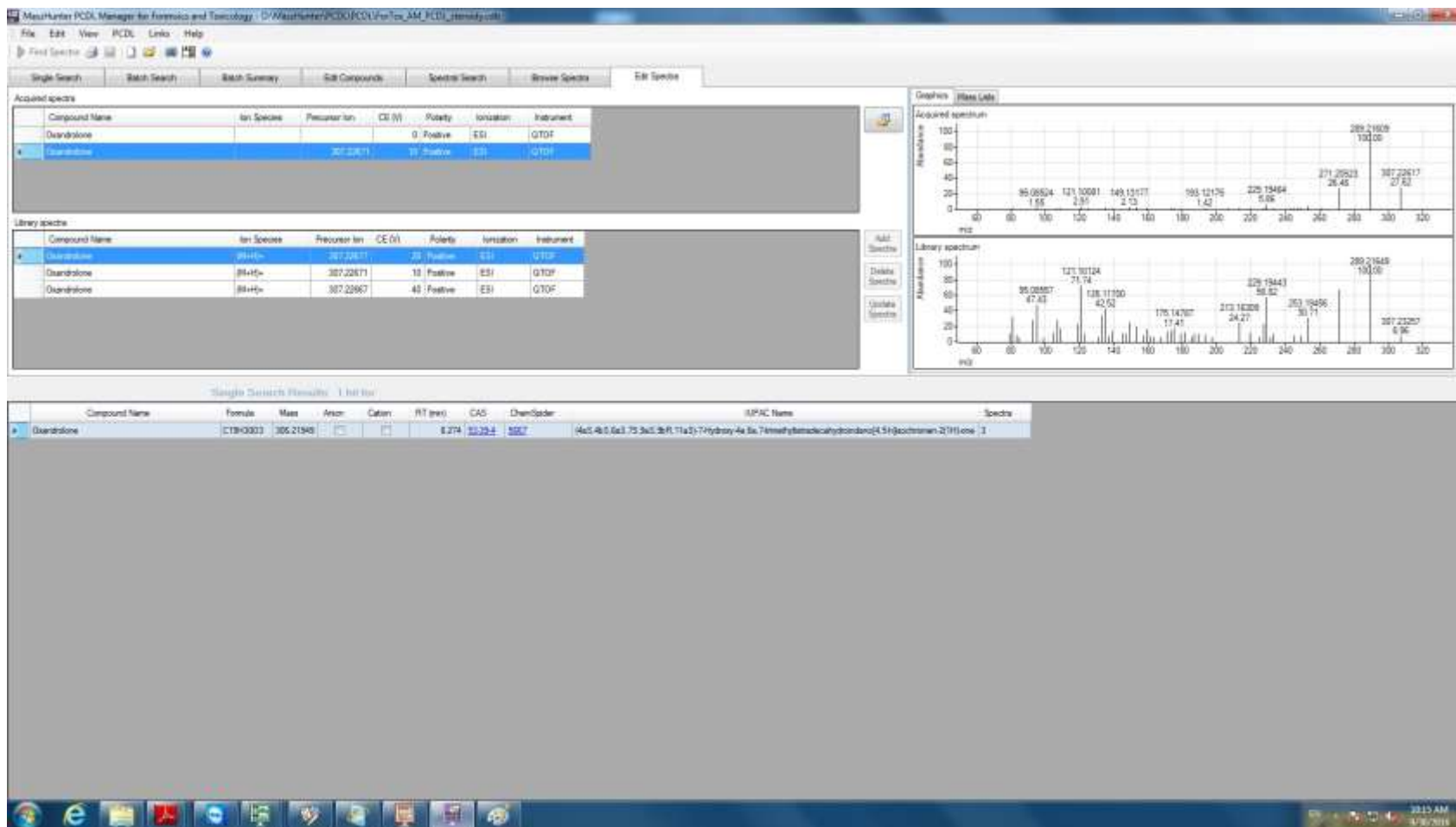
File Copy in Summary Format

Single Search Results: 41 hits

Compound Name	Formula	Mass	Anion	Cation	RT (min)	CAS	ChemSpider	IUPAC Name	Spectra
17alpha-18-Hydroxysterone	C19H28O2	274.19028	☒	☒		4400-34-1	4504437	(17beta)-17-Hydroxyandrost-4-en-3-one	3
Boldenone (Dihydrotestosterone)	C19H28O2	286.19028	☒	☒	8.158	848-49-0	12744	(17beta)-17-Hydroxyandrost-1,4-dien-3-one	3
Epitestosterone	C19H28O2	288.20893	☒	☒	9.260	601-32-1	3739	(17beta)-17-Hydroxyandrost-4-en-3-one	3
Epitestosterone enol	C19H28O2	288.20893	☒	☒				17alpha-Androst-2,5-diene-3,27-diol	0
Testosterone	C19H28O2	288.20893	☒	☒	8.670	56-32-8	6791	(17beta)-17-Hydroxyandrost-4-en-3-one	3
Methyldrotestosterone	C19H28O2	288.20893	☒	☒		1764-81-2	281505	17beta-Hydroxy-7alpha-methylandrost-4-en-3-one	0
1-Testosterone (17beta-hydroxy-5alpha-androst-1-en-3-one)	C19H28O2	288.20893	☒	☒		60-06-5	2308962	17beta-Hydroxy-5alpha-androst-1-en-3-one	0
Decaymethyltestosterone	C20H30O2	288.24532	☒	☒		3276-94-7	17811	Dec-17beta-17-Methylandrost-2-en-17-ol	0
Oxabolone (4-Hydroxy-18-hydroxysterone)	C19H28O3	290.19819	☒	☒		6721-99-1	1676428	(17beta)-4,17-Dihydroxyandrost-4-en-3-one	0
Dihydrotestosterone	C19H28O2	290.22498	☒	☒		571-32-2	120900	(17beta)-17-Hydroxy-5alpha-androst-3-one	0
epi-Dihydrotestosterone	C19H28O2	290.22498	☒	☒				(17beta)-17-Hydroxy-5alpha-androst-3-one	0
4-Hydroxytestosterone (4,17beta-Dihydro-4-androst-1-en-3-one)	C19H28O2	290.22498	☒	☒		2141-17-6	141130	(17beta)-4,17-Dihydroxyandrost-4-en-3-one	0
11-Ketotestosterone	C19H28O2	302.19819	☒	☒		53187-98-7	4445629	(17beta)-17-Hydroxyandrost-4-ene-3,11-dione	3
Methyltestosterone	C20H28O2	302.22498	☒	☒	9.670	58-18-4	6790	(17beta)-Hydroxy-17beta-methyl-androst-4-en-3-one	3
Methyl-1-Hydroxysterone	C20H28O2	302.22498	☒	☒		60-06-3	5442174	(17beta)-Hydroxy-17beta-methyl-5alpha-androst-4-en-3-one	0
17beta-Hydroxytestosterone	C19H28O3	304.20394	☒	☒		3616-85-8	120886	(17beta)-17beta-17-Hydroxyandrost-4-en-3-one	3
15a-Hydroxytestosterone	C19H28O3	304.20394	☒	☒		2226-70-2	275029	(15beta)-17beta-15-Hydroxyandrost-4-en-3-one	0
16a-Hydroxytestosterone	C19H28O3	304.20394	☒	☒		63-01-4	58889	(16beta)-17beta-16-Hydroxyandrost-4-en-3-one	0
2alpha-Hydroxytestosterone	C19H28O3	304.20394	☒	☒		4075-14-3	1033544	2alpha-17beta-2,17-Dihydroxyandrost-4-en-3-one	0
6a-Hydroxytestosterone	C19H28O3	304.20394	☒	☒		2944-01-8	1033510	6alpha-17beta-6,17-Dihydroxyandrost-4-en-3-one	0
3beta-Hydroxytestosterone	C19H28O3	304.20394	☒	☒		10390-14-8		25,18R,13S,17S-2,17-Dihydroxy-18,13-dioxolyl-	0
6beta-Hydroxytestosterone	C19H28O3	304.20394	☒	☒		62-99-7	58887	6beta-17beta-6,17-Dihydroxyandrost-4-en-3-one	3
17beta-Hydroxytestosterone	C19H28O3	304.20394	☒	☒		10390-14-8	1033510	17beta-Hydroxy-17beta-17-Hydroxyandrost-4-en-3-one	0

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Ing. Elena Prokudina, Ph.D.

E-mail:	prokudie@vscht.cz
Ústav:	342 Ústav chemie přírodních látek
Budova:	Budova B
Místnost:	S18
Linka:	4448