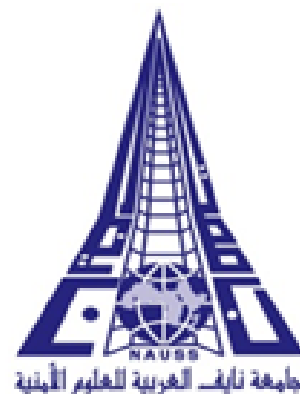


**Naif Arab University for Security
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College of Forensic Sciences
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**Comparison between
Detection Techniques of Sildenafil**
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جامعة نايف العربية للعلوم الأمنية
كلية علوم الأدلة الجنائية
قسم الكيمياء الجنائية

مقارنة بين طرق الكشف عن السيلدينافيل

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List of Abbreviations	
Abbreviation	Name
Å	Angstrom
ACN	Acetonitrile
API	Active Ingredient Pharmaceutical
ATTOMOLE	1 attomole = 10 ⁻¹⁸ moles.
AVA	Avanafil
CFS	College of Forensic Sciences
CTPMs	Chinese Traditional Patent Medicines
ESI	Electrospray ionization
EV	Estradiol Valerate
FI-MS/MS	Flow Injection Tandem Mass Spectrometry Method
GC	Gas Chromatography
GC-MS	Gas Chromatography-Mass Spectroscopy
GC-MS/MS	Gas Chromatography-Tandem Mass Spectrometry
HPLC	high performance liquid chromatography
IDA	Information Dependent Acquisition
IMS	Ion Mobility Spectroscopy
IS	Internal Standard
LC-DAD	Liquid Chromatography- photodiode array detection
LC-MS	Liquid Chromatography-Mass Spectroscopy
LC-MS/MS	Liquid Chromatography-Tandem Mass Spectrometry
LC-QTOF/MS	Liquid Chromatography-Hybrid Quadrupole Time-Of-Flight Mass Spectrometry
m/z	Mass-To-Charge Ratio
MIR	Mid Infrared Reflection
MPA	Medroxyprogesterone Acetate
MRM	Multiple Reaction Monitoring
MS	Mass Spectrometric
NAUSS	Naif Arab University for Security Sciences
NIR	Near Infrared Reflection
oa-TOF	orthogonally accelerated Time-Of-Flight Mass Spectrometer
PCA	Principal Component Analysis
PLSDA	Partial least squares discriminant analysis
ppm	Part Per Million
Q-TOF	Quadrupole-Time-Of-Flight Mass Spectrometry
QC	Quality Control
QuEChERS	quick, easy, cheap, effective, rugged, and safe
RT	Retention Time
SSFFC	Substandard/Spurious/Falsely-labeled/Falsified/Counterfeit

TLC	Thin-Layer Chromatography
TOF	Tim-Of-Flight Mass Spectrometer
UK	United Kingdom
UNODC	UN Office of Drugs and Crime
UV-Vis	Ultraviolet/Visible Spectrophotometry