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Declaration of interest: None.

Abbreviations

MA: monohydroxylated androgens

DA: dihydroxylated androgens

E: estrogens

ELSD: evaporative light-scattering detection

SFC: Supercritical fluid chromatography

E-aba: 5 α -estran-3 β ,17 α -diol

DHEA: 5-androsten-3 β -ol-17-one

M4: 5 β -androst-1-en-17 β -ol-3-one

M2: 5 β -androst-1-en-17 α -ol-3-one

ES: 5 β -androstan-3,17-dione

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