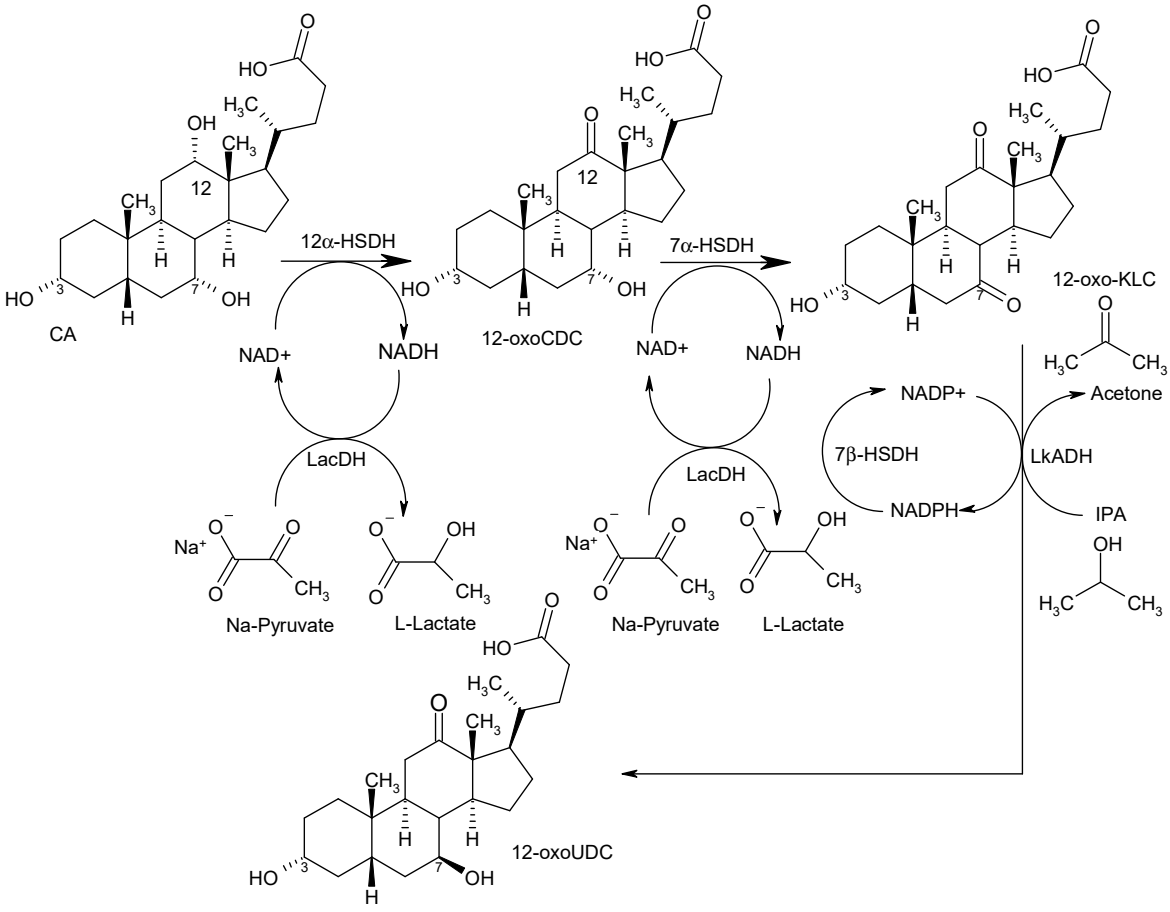
CA
12α-HSDH
12-oxoCDC
7α-HSDH
12-oxo-KLC
NAD+
NADH
LacDH
Na-Pyruvate
L-Lactate
NADP+
NADPH
7β-HSDH
LkADH
IPA
Acetone
12-oxoUDC

Fig. 6

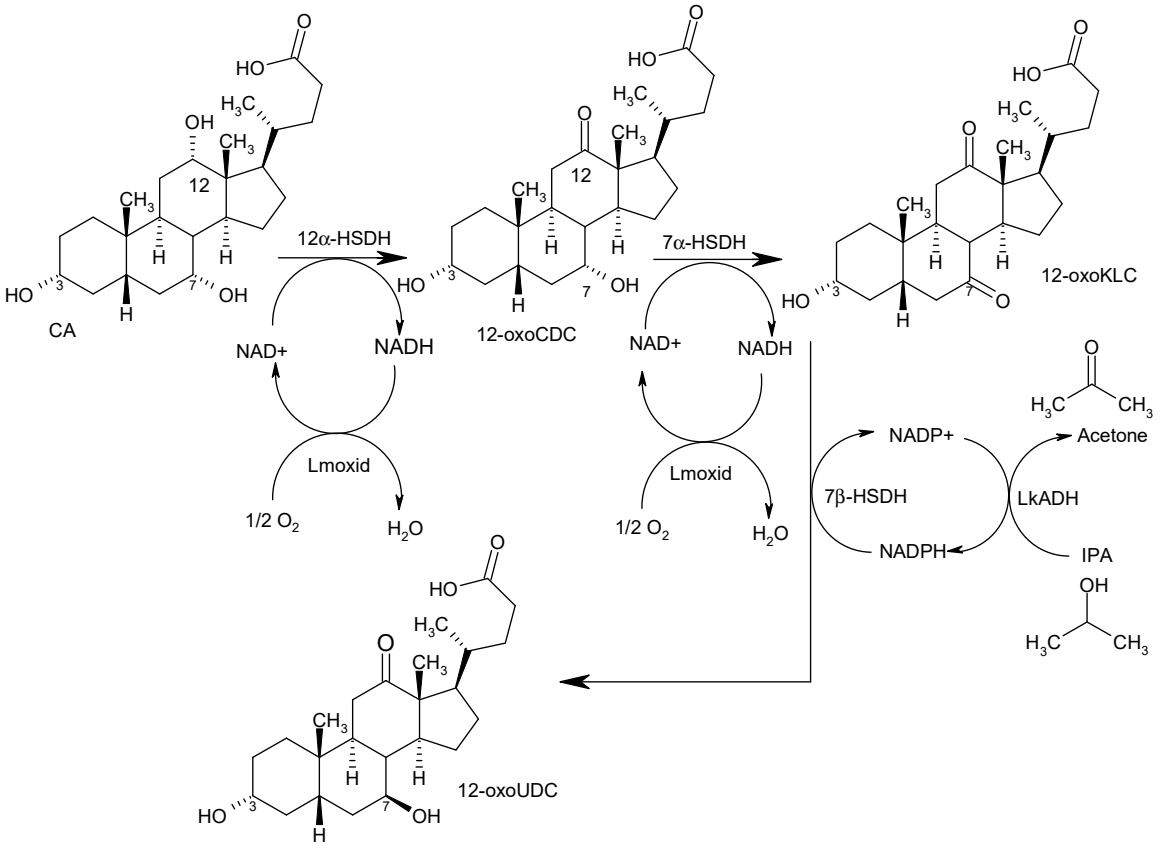
CA
12α-HSDH
NAD+
NADH
Lmoxid
1/2 O2
H2O
12-oxoCDC
7α-HSDH
NAD+
NADH
Lmoxid
1/2 O2
H2O
12-oxoKLC
NADP+
7β-HSDH
NADPH
LkADH
Acetone
IPA
12-oxoUDC

Fig. 7

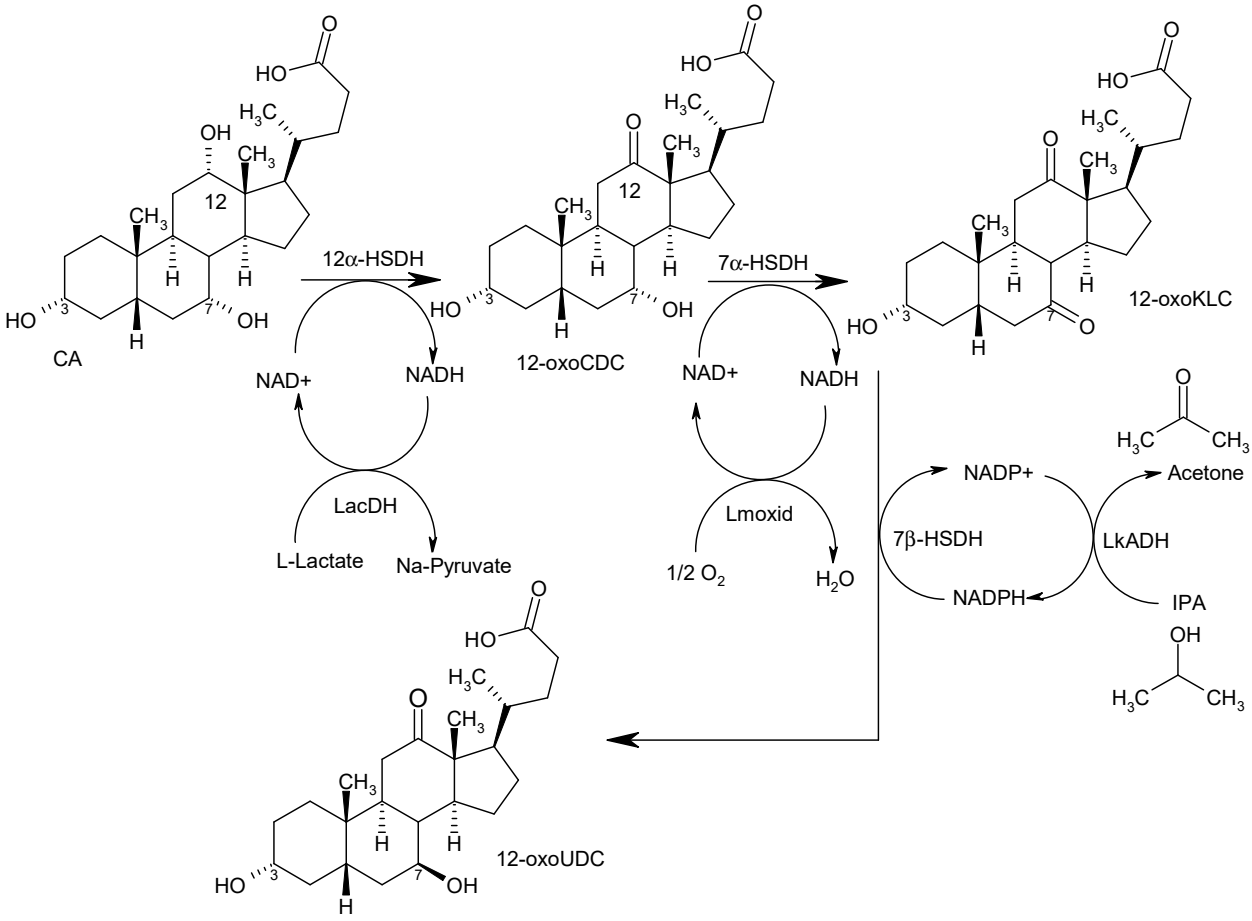
CA
12α-HSDH
NAD+
NADH
LacDH
L-Lactate
Na-Pyruvate
12-oxoCDC
7α-HSDH
NAD+
NADH
Lmoxid
1/2 O2
H2O
12-oxoKLC
NADP+
7β-HSDH
NADPH
LkADH
Acetone
IPA
12-oxoUDC

Fig. 8

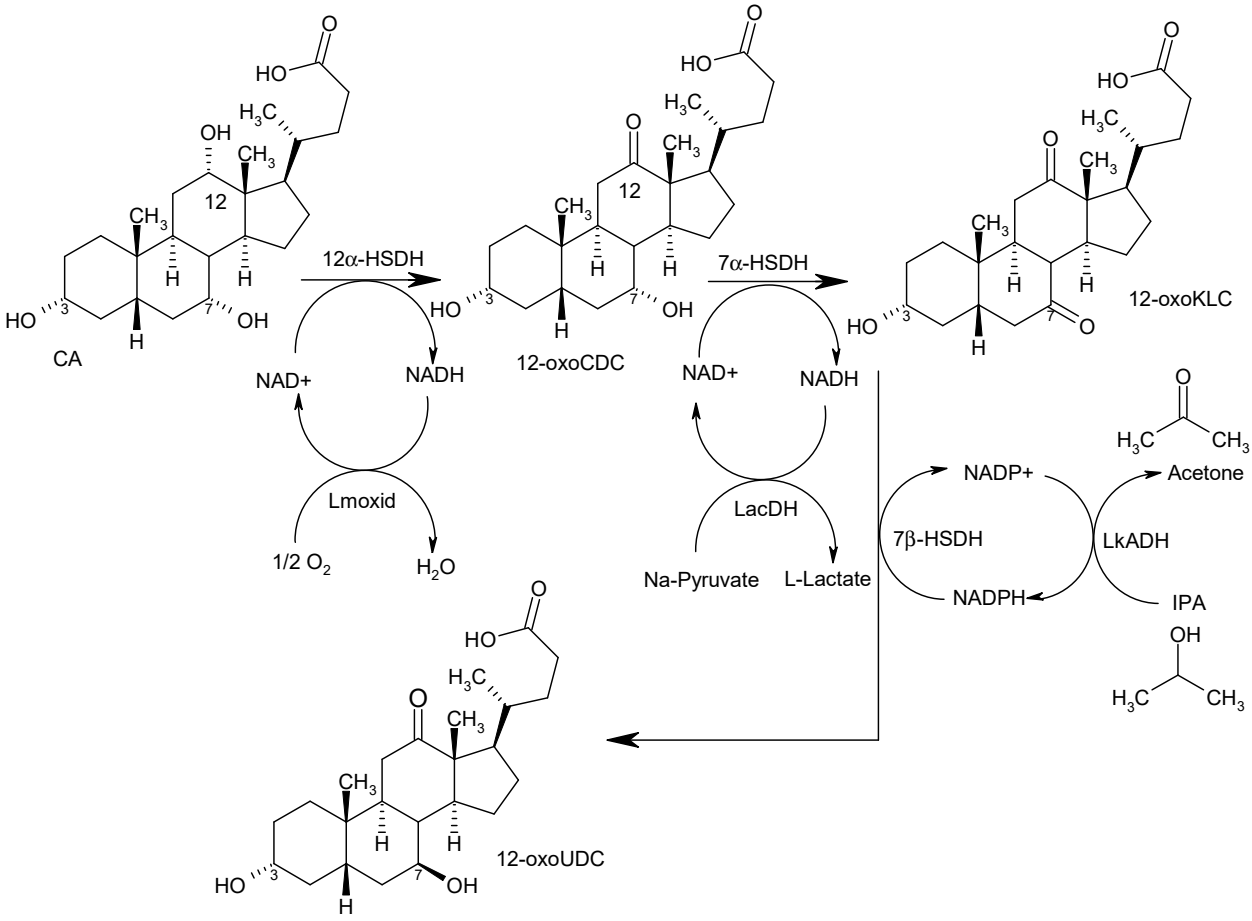
CA
12α-HSDH
NAD+
NADH
Lmoxid
1/2 O2
H2O
12-oxoCDC
7α-HSDH
NAD+
NADH
LacDH
Na-Pyruvate
L-Lactate
12-oxoKLC
NADP+
7β-HSDH
NADPH
LkADH
Acetone
IPA
12-oxoUDC

Fig. 9