

# » Synthetic Cathinones



Synthetic cathinones are derivatives of cathinone, a psychostimulant which occurs naturally in the Khat plant. Also termed as beta-keto amphetamine analogues, synthetic cathinones exhibit amphetamine-like properties.

Sold on the recreational market as „bath salt“, „plant food“ or „research chemicals“, often with a „not for human consumption“-warning to avoid legal regulation and prosecution, abuse of synthetic cathinones has grown rapidly in the recent years. Numerous cases of abuse, dependence, acute intoxication and deaths related to the consumption of synthetic cathinones have been reported worldwide, raising concerns for both health and law enforcement agencies.

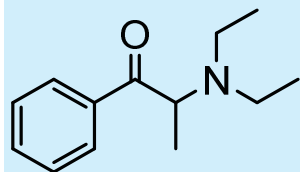
The rapid development of new synthetic cathinones launched on the market adds further challenge to the scien-

tific community with regard to the development of adapted laboratory-testing methods.

To support laboratories in the identification and quantification of synthetic cathinones in seized materials and biological samples, Lipomed now supplies a range of synthetic cathinones and substituted ephedrines (biomarkers of synthetic cathinones) available as ready-to-use calibrated forms and/or as standard pack sizes of 10 mg, 50 mg and 100 mg.

For more information, please visit our website [www.lipomed.com](http://www.lipomed.com).



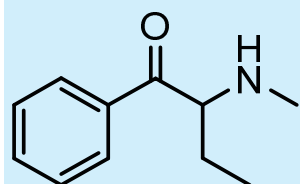


### Amfepramone.HCl

Synonym : Diethylpropion.HCl

$C_{13}H_{19}NO.HCl$  M.W.: 205.30+36.46

AMF-1286-HC-1LAH	1.0 mg base/1 ml	calibrated solution in acetonitrile:water (1:1)
AMF-1286-HC-1	1.0 mg base	calibrated powder
AMF-1286-HC-10	10 mg	powder
AMF-1286-HC-50	50 mg	powder
AMF-1286-HC-100	100 mg	powder

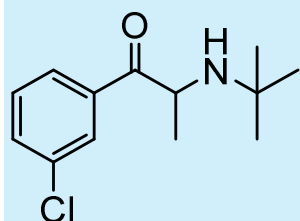


### Buphedrone.HCl

Synonym : MABP.HCl

$C_{11}H_{15}NO.HCl$  M.W.: 177.24+36.46

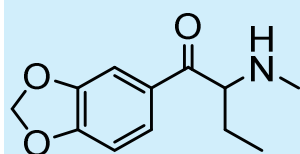
BUO-1472-HC-1LM	1.0 mg base/1ml	calibrated solution in methanol
BUO-1472-HC-1	1.0 mg base	calibrated powder
BUO-1472-HC-10	10 mg	powder
BUO-1472-HC-50	50 mg	powder
BUO-1472-HC-100	100 mg	powder



### Bupropion.HCl

$C_{13}H_{18}ClNO.HCl$  M.W.: 239.74+36.46

BPR-1544-HC-1LAH	1.0 mg base/1 ml	calibrated solution in acetonitrile:water (1:1)
BPR-1544-HC-1	1.0 mg base	calibrated powder
BPR-1544-HC-10	10 mg	powder
BPR-1544-HC-50	50 mg	powder
BPR-1544-HC-100	100 mg	powder

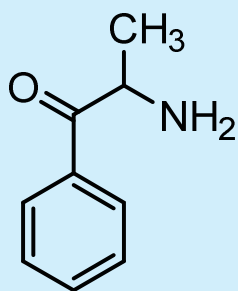


### Butylone.HCl

Synonym : bk-MBDB.HCl

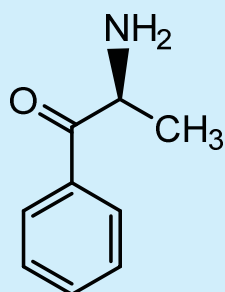
$C_{12}H_{15}NO_3.HCl$  M.W.: 221.25+36.46

BTL-1288-HC-1LM	1.0 mg base/1 ml	calibrated solution in methanol
BTL-1288-HC-1	1.0 mg base	calibrated powder
BTL-1288-HC-10	10 mg	powder
BTL-1288-HC-50	50 mg	powder
BTL-1288-HC-100	100 mg	powder



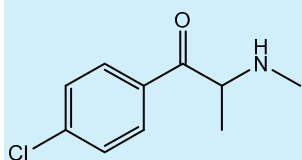
#### **d,l-Cathinone.HCl**

$C_9H_{11}NO.HCl$	M.W.: 149.19+36.46	
CAT-880-HC-1LAH	1.0 mg base/1 ml	calibrated solution in acetonitrile:water (1:1)
CAT-880-HC-1	1.0 mg base	calibrated powder
CAT-880-HC-10	10 mg	powder
CAT-880-HC-50	50 mg	powder
CAT-880-HC-100	100 mg	powder



#### **S(-)-Cathinone.HCl**

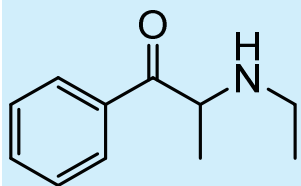
$C_9H_{11}NO.HCl$	M.W.: 149.19+36.46	
CAT-1517-HC-1LAH	1.0 mg base/1 ml	calibrated solution in acetonitrile:water (1:1)
CAT-1517-HC-1	1.0 mg base	calibrated powder
CAT-1517-HC-10	10 mg	powder
CAT-1517-HC-50	50 mg	powder
CAT-1517-HC-100	100 mg	powder



#### **4-Chloromethcathinone.HCl**

Synonym : Clephedrone.HCl ; 4-CMC.HCl

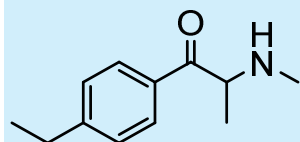
$C_{10}H_{12}ClNO.HCl$	M.W.: 197.66+36.46	
CMC-1705-HC-1LM	1.0 mg base/1 ml	calibrated solution in methanol
CMC-1705-HC-1	1.0 mg base	calibrated powder
CMC-1705-HC-10	10 mg	powder
CMC-1705-HC-50	50 mg	powder
CMC-1705-HC-100	100 mg	powder



#### **Ethcathinone.HCl**

Synonyms : N-Ethylcathinone.HCl ; Ethylpropion.HCl

$C_{11}H_{15}NO$	M.W.: 177.25+36.46	
ETC-1545-HC-1LM	1.0 mg base/1 ml	calibrated solution in methanol
ETC-1545-HC-1	1.0 mg base	calibrated powder
ETC-1545-HC-10	10 mg	powder
ETC-1545-HC-50	50 mg	powder
ETC-1545-HC-100	100 mg	powder



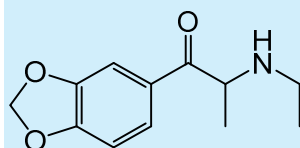
### **d,l-4-Ethylmethcathinone.HCl**

Synonym : 4-EMC.HCl

$C_{12}H_{17}NO.HCl$

M.W.: 191.27+36.46

ETM-1402-HC-1LM	1.0 mg base/1 ml	calibrated solution in methanol
ETM-1402-HC-1	1.0 mg base	calibrated powder
ETM-1402-HC-10	10 mg	powder
ETM-1402-HC-50	50 mg	powder
ETM-1402-HC-100	100 mg	powder



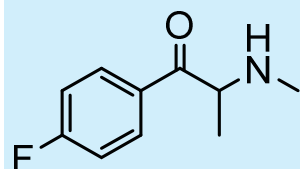
### **Ethylone.HCl**

Synonym : bk-MDEA.HCl

$C_{12}H_{15}NO_3.HCl$

M.W.: 221.25+36.46

ETY-1399-HC-1LM	1.0 mg base/1 ml	calibrated solution in methanol
ETY-1399-HC-1	1.0 mg base	calibrated powder
ETY-1399-HC-10	10 mg	powder
ETY-1399-HC-50	50 mg	powder
ETY-1399-HC-100	100 mg	powder



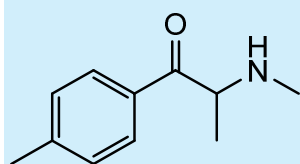
### **Flephedrone.HCl**

Synonym : 4-Fluoromethcathinone.HCl ; 4-FMC.HCl

$C_{10}H_{12}FNO.HCl$

M.W.: 181.21+36.46

FMC-1291-HC-1LM	1.0 mg base/1 ml	calibrated solution in methanol
FMC-1291-HC-1	1.0 mg base	calibrated powder
FMC-1291-HC-10	10 mg	powder
FMC-1291-HC-50	50 mg	powder
FMC-1291-HC-100	100 mg	powder



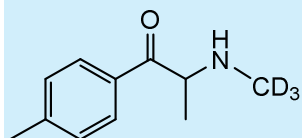
### **Mephedrone.HCl**

Synonym : d,l-4-Methylmethcathinone.HCl ; 4-MMC.HCl

$C_{11}H_{15}NO.HCl$

M.W.: 177.24+36.46

MMC-1252-HC-1LM	1.0 mg base/1 ml	calibrated solution in methanol
MMC-1252-HC-1	1.0 mg base	calibrated powder
MMC-1252-HC-10	10 mg	powder
MMC-1252-HC-50	50 mg	powder
MMC-1252-HC-100	100 mg	powder



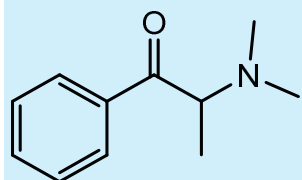
### Mephedrone-D<sub>3</sub>.HCl

Synonym : d,l-4-Methylmethcathinone-D<sub>3</sub>.HCl ; 4-MMC-D<sub>3</sub>.HCl

C<sub>11</sub>H<sub>12</sub>D<sub>3</sub>NO.HCl

M.W.: 180.26+36.46

MMC-1271-HC-0.1LM	0.1 mg base/1 ml	calibrated solution in methanol
MMC-1271-HC-1LM	1.0 mg base/1 ml	calibrated solution in methanol
MMC-1271-HC-1	1.0 mg base	calibrated powder
MMC-1271-HC-10	10 mg	powder
MMC-1271-HC-50	50 mg	powder
MMC-1271-HC-100	100 mg	powder



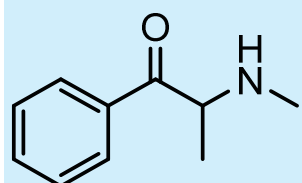
### d,l-Metamfepramone.HCl

Synonym : d,l-Dimethylcathinone.HCl

C<sub>11</sub>H<sub>15</sub>NO.HCl

M.W.: 177.25+36.46

MAF-1548-HC-1LM	1.0 mg base/1 ml	calibrated solution in methanol
MAF-1548-HC-1	1.0 mg base	calibrated powder
MAF-1548-HC-10	10 mg	powder
MAF-1548-HC-50	50 mg	powder
MAF-1548-HC-100	100 mg	powder



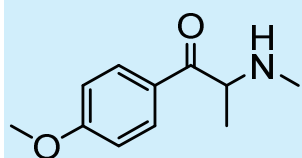
### d,l-Methcathinone.HCl

Synonym : Ephedrone.HCl

C<sub>10</sub>H<sub>13</sub>NO.HCl

M.W.: 163.22+36.46

MCA-835-HC-1LA	1.0 mg base/1 ml	calibrated solution in acetonitrile
MCA-835-HC-1	1.0 mg base	calibrated powder
MCA-835-HC-10	10 mg	powder
MCA-835-HC-50	50 mg	powder
MCA-835-HC-100	100 mg	powder



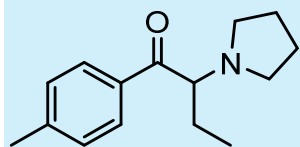
### Methedrone.HCl

Synonym : bk-PMMA.HCl ; PMMC.HCl

C<sub>11</sub>H<sub>15</sub>NO<sub>2</sub>.HCl

M.W.: 193.24+36.46

MTH-1290-HC-1LM	1.0 mg base/1 ml	calibrated solution in methanol
MTH-1290-HC-1	1.0 mg base	calibrated powder
MTH-1290-HC-10	10 mg	powder
MTH-1290-HC-50	50 mg	powder
MTH-1290-HC-100	100 mg	powder



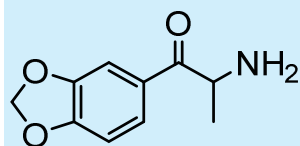
#### 4'-Methyl-α-pyrrolidinobutiophenone.HCl

Synonym : MPBP.HCl

$C_{15}H_{21}NO \cdot HCl$

M.W.: 231.34+36.46

MPB-1508-HC-1LM	1.0 mg base/1 ml	calibrated solution in methanol
MPB-1508-HC-1	1.0 mg base	calibrated powder
MPB-1508-HC-10	10 mg	powder
MPB-1508-HC-50	50 mg	powder
MPB-1508-HC-100	100 mg	powder



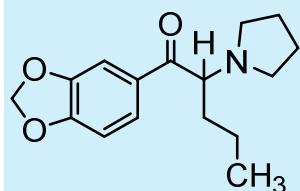
#### 3,4-Methylenedioxy-cathinone.HCl

Synonym : MDC.HCl ; Bk-MDA.HCl

$C_{10}H_{11}NO_3 \cdot HCl$

M.W.: 193.20+36.46

MDC-1519-HC-1LM	1.0 mg base/1 ml	calibrated solution in methanol
MDC-1519-HC-1	1.0 mg base	calibrated powder
MDC-1519-HC-10	10 mg	powder
MDC-1519-HC-50	50 mg	powder
MDC-1519-HC-100	100 mg	powder



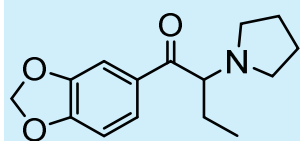
#### 3,4-Methylenedioxy-pyrovalerone.HCl

Synonym : MDPV.HCl

$C_{16}H_{21}NO_3 \cdot HCl$

M.W.: 275.35+36.46

PYR-1340-HC-1LM	1.0 mg base/1 ml	calibrated solution in methanol
PYR-1340-HC-1	1.0 mg base	calibrated powder
PYR-1340-HC-10	10 mg	powder
PYR-1340-HC-50	50 mg	powder
PYR-1340-HC-100	100 mg	powder



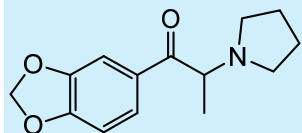
#### 3',4'-Methylenedioxy-α-pyrrolidinobutyrophenone.HCl

Synonym : MDPBP.HCl

$C_{15}H_{19}NO_3 \cdot HCl$

M.W.: 261.32+36.46

MDP-1509-HC-1LM	1.0 mg base/1 ml	calibrated solution in methanol
MDP-1509-HC-1	1.0 mg base	calibrated powder
MDP-1509-HC-10	10 mg	powder
MDP-1509-HC-50	50 mg	powder
MDP-1509-HC-100	100 mg	powder

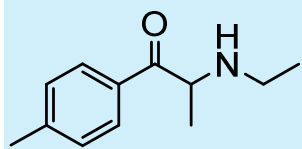


### 3,4-Methylenedioxy-α-pyrrolidinopropiophenone.HCl

Synonym : MDPPP.HCl

$C_{14}H_{17}NO_3 \cdot HCl$  M.W.: 247.29+36.46

PPP-1547-HC-1LM	1.0 mg base/1 ml	calibrated solution in methanol
PPP-1547-HC-1	1.0 mg base	calibrated powder
PPP-1547-HC-10	10 mg	powder
PPP-1547-HC-50	50 mg	powder
PPP-1547-HC-100	100 mg	powder

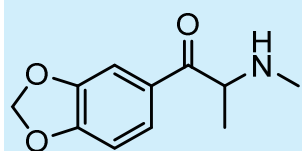


### 4-Methylethcathinone.HCl

Synonym : 4-MEC.HCl

$C_{12}H_{17}NO \cdot HCl$  M.W.: 191.27+36.46

MEC-1299-HC-1LM	1.0 mg base/1 ml	calibrated solution in methanol
MEC-1299-HC-1	1.0 mg base	calibrated powder
MEC-1299-HC-10	10 mg	powder
MEC-1299-HC-50	50 mg	powder
MEC-1299-HC-100	100 mg	powder

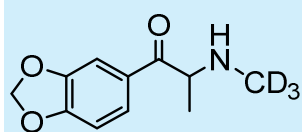


### Methylone.HCl

Synonym : bk-MDMA.HCl

$C_{11}H_{13}NO_3 \cdot HCl$  M.W.: 207.23+36.46

MTY-1289-HC-1LM	1.0 mg base/1 ml	calibrated solution in methanol
MTY-1289-HC-1	1.0 mg base	calibrated powder
MTY-1289-HC-10	10 mg	powder
MTY-1289-HC-50	50 mg	powder
MTY-1289-HC-100	100 mg	powder

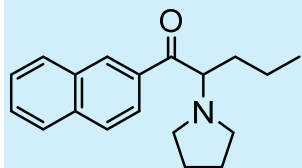


### Methylone-D<sub>3</sub>.HCl

Synonym : bk-MDMA-D<sub>3</sub>.HCl

$C_{11}H_{10}D_3NO_3 \cdot HCl$  M.W.: 210.24 + 36.46

MTY-1464-HC-0.1LM	0.1 mg base/1 ml	calibrated solution in methanol
MTY-1464-HC-1LM	1.0 mg base/1 ml	calibrated solution in methanol
MTY-1464-HC-1	1.0 mg base	calibrated powder
MTY-1464-HC-10	10 mg	powder
MTY-1464-HC-50	50 mg	powder
MTY-1464-HC-100	100 mg	powder



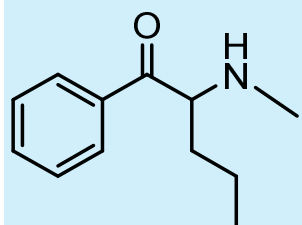
### Naphyrone.HCl

Synonym : O-2482

$C_{19}H_{23}NO.HCl$

M.W.: 281.39+36.46

NPH-1396-HC-1LM	1.0 mg base/1 ml	calibrated solution in methanol
NPH-1396-HC-1	1.0 mg base	calibrated powder
NPH-1396-HC-10	10 mg	powder
NPH-1396-HC-50	50 mg	powder
NPH-1396-HC-100	100 mg	powder

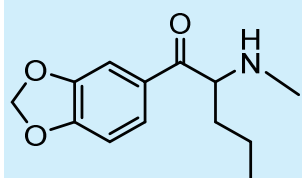


### Pentedrone.HCl

$C_{12}H_{17}NO.HCl$

M.W.: 191.27+36.46

PTD-1507-HC-1LM	1.0 mg base/1 ml	calibrated solution in methanol
PTD-1507-HC-1	1.0 mg base	calibrated powder
PTD-1507-HC-10	10 mg	powder
PTD-1507-HC-50	50 mg	powder
PTD-1507-HC-100	100 mg	powder



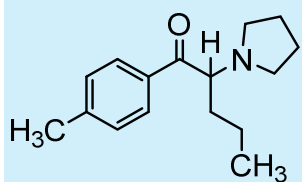
### Pentylone.HCl

Synonym : bk-MBDP.HCl

$C_{13}H_{17}NO_3.HCl$

M.W.: 235.28+36.46

PTY-1506-HC-1LM	1.0 mg base/1 ml	calibrated solution in methanol
PTY-1506-HC-1	1.0 mg base	calibrated powder
PTY-1506-HC-10	10 mg	powder
PTY-1506-HC-50	50 mg	powder
PTY-1506-HC-100	100 mg	powder



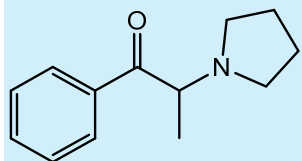
### Pyrovalerone.HCl

$C_{16}H_{23}NO.HCl$

M.W.: 245.36+36.46

PYR-1333-HC-1LM	1.0 mg base/1 ml	calibrated solution in methanol
PYR-1333-HC-1	1.0 mg base	calibrated powder
PYR-1333-HC-10	10 mg	powder
PYR-1333-HC-50	50 mg	powder
PYR-1333-HC-100	100 mg	powder





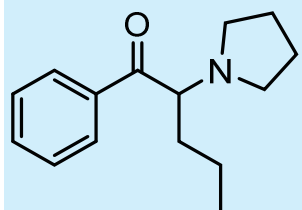
### Alpha-Pyrrolidinopropiophenone.HCl

Synonym : Alpha-PPP.HCl

$C_{13}H_{17}NO.HCl$

M.W.: 203.29+36.46

PPP-1574-HC-1LM	1.0 mg base/1 ml	calibrated solution in methanol
PPP-1574-HC-1	1.0 mg base	calibrated powder
PPP-1574-HC-10	10 mg	powder
PPP-1574-HC-50	50 mg	powder
PPP-1574-HC-100	100 mg	powder



### Alpha-Pyrrolidinovalerophenone.HCl

Synonym : Alpha-PVP.HCl

$C_{15}H_{21}NO.HCl$

M.W.: 231.33+36.46

PVP-1546-HC-1LM	1.0 mg base/1 ml	calibrated solution in methanol
PVP-1546-HC-1	1.0 mg base	calibrated powder
PVP-1546-HC-10	10 mg	powder
PVP-1546-HC-50	50 mg	powder
PVP-1546-HC-100	100 mg	powder





## Ordering & other information

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- » Cannabinoids
- » Cathinones
- » Cocaines
- » Hallucinogens
- » Opioids
- » Other CNS Depressants
- » Steroids
- » Vitamins

For information about LIPOMED's new Analytical Reference Standards, please visit our website [www.lipomed.com](http://www.lipomed.com).



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