



» SYNTHETIC CATHINONES

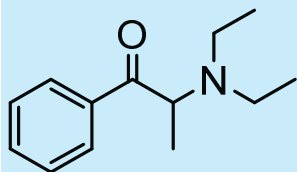
Synthetic cathinones are derivatives of cathinone, a psychostimulant which occurs naturally in the Khat plant. Also termed as beta-keto amphetamine analogues, synthetic cathinones exhibit amphetamine-like properties.

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 scientific 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 solution and/or as standard pack sizes of 10 mg, 50 mg and 100 mg.

For more information, please visit our website www.lipomed.com.

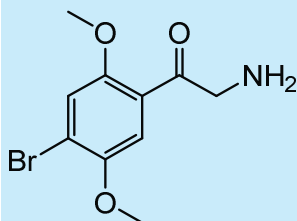


Amfepramone.HCl (shipment under ice for solution)

Synonym : Diethylpropion.HCl

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

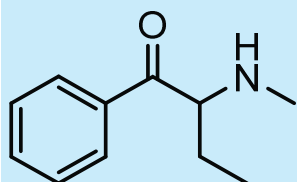
| | | |
|------------------|------------------|---|
| AMF-1286-HC-1LAH | 1.0 mg base/1 ml | cal. solution in acetonitrile/water (1:1) |
| AMF-1286-HC-10 | 10 mg | powder |
| AMF-1286-HC-50 | 50 mg | powder |
| AMF-1286-HC-100 | 100 mg | powder |



Bk-2C-B.HCl (shipment under ice for solution)

$C_{10}H_{12}BrNO_3.HCl$ M.W.: 274.11+36.46

| | | |
|-----------------|------------------|---------------------------------|
| 2CB-1736-HC-1LM | 1.0 mg base/1 ml | calibrated solution in methanol |
| 2CB-1736-HC-10 | 10 mg | powder |
| 2CB-1736-HC-50 | 50 mg | powder |
| 2CB-1736-HC-100 | 100 mg | powder |

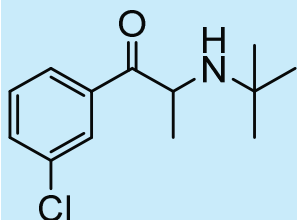


Buphedrone.HCl

Synonym : MABP.HCl

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

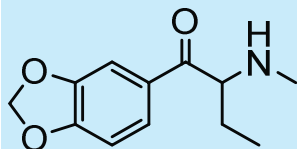
| | | |
|-----------------|------------------|---------------------------------|
| BUO-1472-HC-1LM | 1.0 mg base/1 ml | calibrated solution in methanol |
| BUO-1472-HC-10 | 10 mg | powder |
| BUO-1472-HC-50 | 50 mg | powder |
| BUO-1472-HC-100 | 100 mg | powder |



Bupropion.HCl

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

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

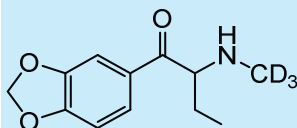


Butylone.HCl

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-10 | 10 mg | powder |
| BTL-1288-HC-50 | 50 mg | powder |
| BTL-1288-HC-100 | 100 mg | powder |

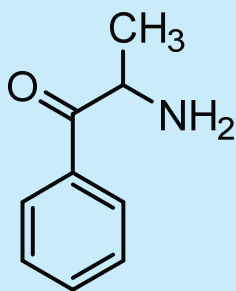


Butylone-D₃.HCl

Synonym : bk-MBDB-D₃.HCl

$C_{12}H_{12}D_3NO_3.HCl$ M.W.: 224.27+36.46

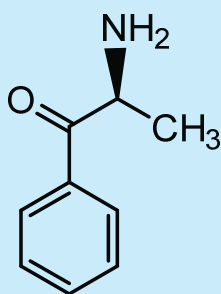
| | | |
|-------------------|------------------|---------------------------------|
| BTL-1806-HC-0.1LM | 0.1 mg base/1 ml | calibrated solution in methanol |
| BTL-1806-HC-1LM | 1.0 mg base/1 ml | calibrated solution in methanol |
| BTL-1806-HC-10 | 10 mg | powder |
| BTL-1806-HC-50 | 50 mg | powder |
| BTL-1806-HC-100 | 100 mg | powder |



d,l-Cathinone.HCl (shipment under ice for solution)

$C_9H_{11}NO.HCl$ M.W.: 149.19+36.46

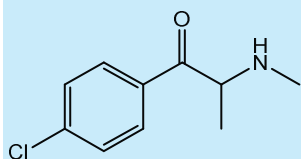
| | | |
|-----------------|------------------|---|
| CAT-880-HC-1LAH | 1.0 mg base/1 ml | cal. solution in acetonitrile/water (1:1) |
| CAT-880-HC-10 | 10 mg | powder |
| CAT-880-HC-50 | 50 mg | powder |
| CAT-880-HC-100 | 100 mg | powder |



S(-)-Cathinone.HCl

$C_9H_{11}NO.HCl$ M.W.: 149.19+36.46

| | | |
|------------------|------------------|---|
| CAT-1517-HC-1LAH | 1.0 mg base/1 ml | cal. solution in acetonitrile/water (1:1) |
| CAT-1517-HC-10 | 10 mg | powder |
| CAT-1517-HC-50 | 50 mg | powder |
| CAT-1517-HC-100 | 100 mg | powder |

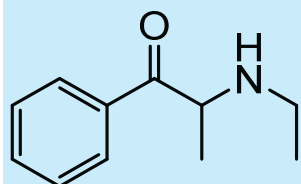


4-Chloromethcathinone.HCl

Synonym : Clephedrone.HCl ; 4-CMC.HCl

$C_{10}H_{12}ClNO.HCl$ M.W.: 197.66+36.46

| | | |
|------------------|------------------|---|
| CMC-1705-HC-1LAH | 1.0 mg base/1 ml | cal. solution in acetonitrile/water (1:1) |
| CMC-1705-HC-10 | 10 mg | powder |
| CMC-1705-HC-50 | 50 mg | powder |
| CMC-1705-HC-100 | 100 mg | powder |

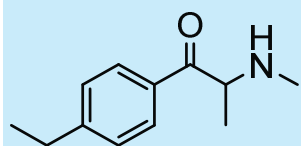


Ethcathinone.HCl

Synonyms : N-Ethylcathinone.HCl ; Ethylpropion.HCl

$C_{11}H_{15}NO$ M.W.: 177.25+36.46

| | | |
|-----------------|------------------|-------------------------------------|
| ETC-1545-HC-1LA | 1.0 mg base/1 ml | calibrated solution in acetonitrile |
| ETC-1545-HC-10 | 10 mg | powder |
| ETC-1545-HC-50 | 50 mg | powder |
| ETC-1545-HC-100 | 100 mg | powder |

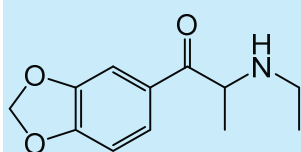


d,l-4-Ethylmethcathinone.HCl

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-10 | 10 mg | powder |
| ETM-1402-HC-50 | 50 mg | powder |
| ETM-1402-HC-100 | 100 mg | powder |

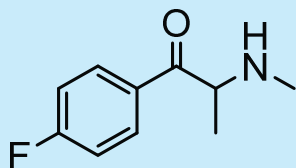


Ethylone.HCl

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-10 | 10 mg | powder |
| ETY-1399-HC-50 | 50 mg | powder |
| ETY-1399-HC-100 | 100 mg | powder |

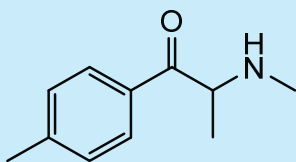


Flephedrone.HCl

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-10 | 10 mg | powder |
| FMC-1291-HC-50 | 50 mg | powder |
| FMC-1291-HC-100 | 100 mg | powder |

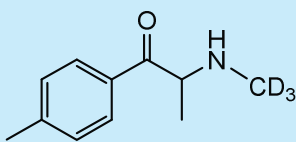


Mephedrone.HCl

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-10 | 10 mg | powder |
| MMC-1252-HC-50 | 50 mg | powder |
| MMC-1252-HC-100 | 100 mg | powder |

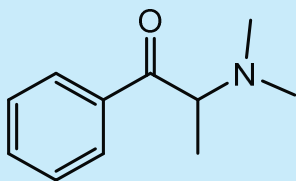


Mephedrone-D₃.HCl

Synonym : d,l-4-Methylmethcathinone-D₃.HCl, 4-MMC-D₃.HCl

$C_{11}H_{12}D_3NO.HCl$ 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-10 | 10 mg | powder |
| MMC-1271-HC-50 | 50 mg | powder |
| MMC-1271-HC-100 | 100 mg | powder |

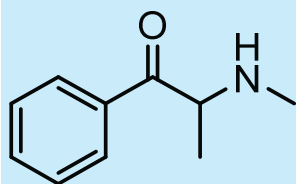


d,l-Metamfepramone.HCl

Synonym : d,l-Dimethylcathinone.HCl

$C_{11}H_{15}NO.HCl$ M.W.: 177.25+36.46

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

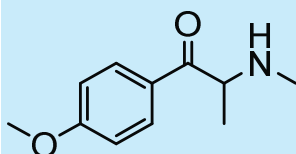


d,l-Methcathinone.HCl

Synonym : Ephedrone.HCl

$C_{10}H_{13}NO.HCl$ M.W.: 163.22+36.46

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

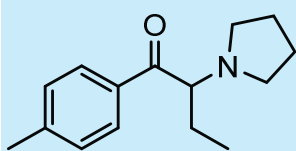


Methedrone.HCl

Synonym : bk-PMMA.HCl, PMMC.HCl

$C_{11}H_{15}NO_2.HCl$ M.W.: 193.24+36.46

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

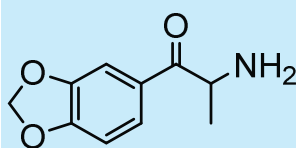


4'-Methyl-α-pyrrolidinobutiophenone.HCl

Synonym : MPBP.HCl

$C_{15}H_{21}NO.HCl$ M.W.: 231.34+36.46

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

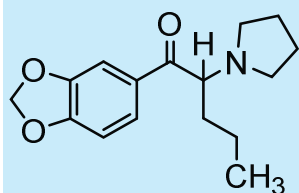


3,4-Methylenedioxycathinone.HCl

Synonym : MDC.HCl ; Bk-MDA.HCl

$C_{10}H_{11}NO_3.HCl$ M.W.: 193.20+36.46

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

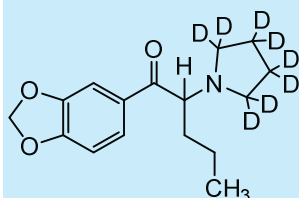


3,4-Methylenedioxypropylvalerone.HCl

Synonym : MDPV.HCl

$C_{16}H_{21}NO_3.HCl$ M.W.: 275.35+36.46

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

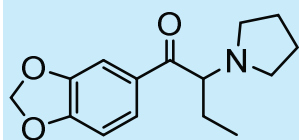


3,4-Methylenedioxypropylvalerone-D₈.HCl

Synonym : MDPV-D₈.HCl

$C_{16}H_{13}D_8NO_3.HCl$ M.W.: 283.39+36.46

| | | |
|-------------------|------------------|---------------------------------|
| PYR-1854-HC-0.1LM | 0.1 mg base/1 ml | calibrated solution in methanol |
| PYR-1854-HC-1LM | 1.0 mg base/1 ml | calibrated solution in methanol |
| PYR-1854-HC-10 | 10 mg | powder |
| PYR-1854-HC-50 | 50 mg | powder |
| PYR-1854-HC-100 | 100 mg | powder |

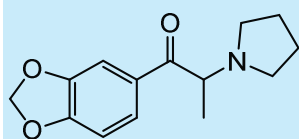


3',4'-Methylenedioxy- α -pyrrolidinobutylphenone.HCl

Synonym : MDPBP.HCl

$C_{15}H_{19}NO_3.HCl$ M.W.: 261.32+36.46

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

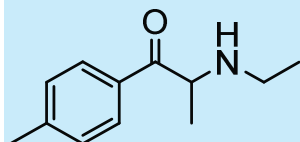


3,4-Methylenedioxy- α -pyrrolidinopropylphenone.HCl

Synonym : MDPPP.HCl

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

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

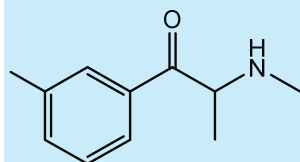


4-Methylethcathinone.HCl

Synonym : 4-MEC.HCl

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

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

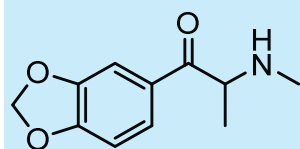


3-Methylmethcathinone.HCl

Synonym : 3-MMC.HCl

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

| | | |
|-----------------|------------------|---------------------------------|
| MMC-1750-HC-1LM | 1.0 mg base/1 ml | calibrated solution in methanol |
| MMC-1750-HC-10 | 10 mg | powder |
| MMC-1750-HC-50 | 50 mg | powder |
| MMC-1750-HC-100 | 100 mg | powder |

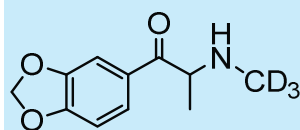


Methylone.HCl

Synonym : bk-MDMA.HCl

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

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

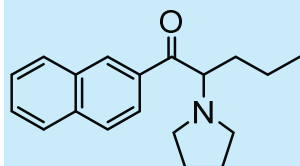


Methylone-D₃.HCl

Synonym : bk-MDMA-D₃.HCl

$C_{11}H_{10}D_3NO_3.HCl$ 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-10 | 10 mg | powder |
| MTY-1464-HC-50 | 50 mg | powder |
| MTY-1464-HC-100 | 100 mg | powder |

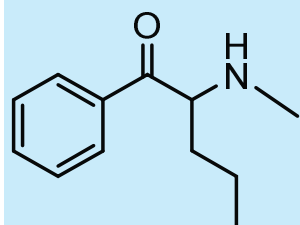


Naphyrone.HCl (shipment under ice for solution)

Synonym : O-2482

$C_{19}H_{23}NO.HCl$ M.W.: 281.39+36.46

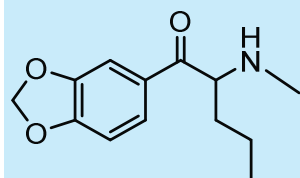
| | | |
|-----------------|------------------|---------------------------------|
| NPH-1396-HC-1LM | 1.0 mg base/1 ml | calibrated solution in methanol |
| NPH-1396-HC-10 | 10 mg | powder |
| NPH-1396-HC-50 | 50 mg | powder |
| NPH-1396-HC-100 | 100 mg | powder |



Pentedrone.HCl (shipment under ice for solution)

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

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

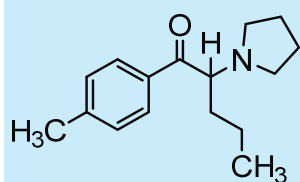


Pentylone.HCl

Synonym : bk-MBDP.HCl

$C_{13}H_{17}NO_3.HCl$ M.W.: 235.28+36.46

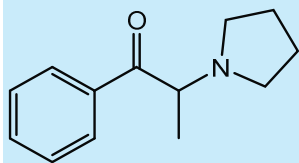
| | | |
|-----------------|------------------|---------------------------------|
| PTY-1506-HC-1LM | 1.0 mg base/1 ml | calibrated solution in methanol |
| PTY-1506-HC-10 | 10 mg | powder |
| PTY-1506-HC-50 | 50 mg | powder |
| PTY-1506-HC-100 | 100 mg | powder |



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-10 | 10 mg | powder |
| PYR-1333-HC-50 | 50 mg | powder |
| PYR-1333-HC-100 | 100 mg | powder |

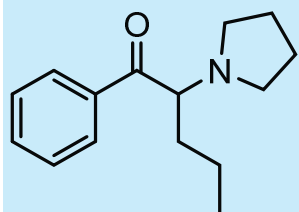


Alpha-Pyrrolidinopropiophenone.HCl

Synonym : Alpha-PPP.HCl

$C_{13}H_{17}NO.HCl$ M.W.: 203.29+36.46

| | | |
|------------------|------------------|---|
| PPP-1574-HC-1LAH | 1.0 mg base/1 ml | cal. solution in acetonitrile/water (1:1) |
| 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-10 | 10 mg | powder |
| PVP-1546-HC-50 | 50 mg | powder |
| PVP-1546-HC-100 | 100 mg | powder |

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