



# SYNTHETIC CATHINONES

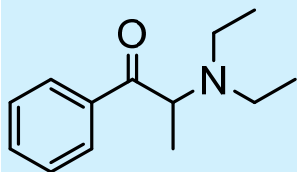
**Synthetic cathinones are derivatives of cathinone, a psychostimulant which occurs naturally in the Khat plant. Also termed as beta-keto amphetamine analogues, synthetic cathinones exhibit amphetamine-like properties.**

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](http://www.lipomed.com).

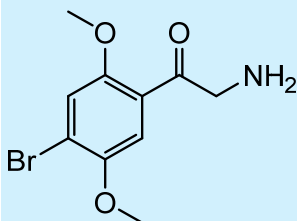


**Amfepramone.HCl (shipment under ice for solution)**

Synonym(s): Diethylpropion.HCl

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

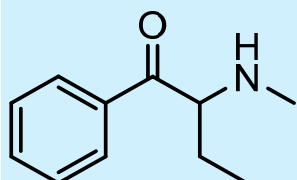
AMF-1286-HC-1LAH	1.0 mg base/1 ml	cal. solution in acetonitrile/water (1:1)
AMF-1286-HC-10	10 mg	powder
AMF-1286-HC-50	50 mg	powder
AMF-1286-HC-100	100 mg	powder



**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

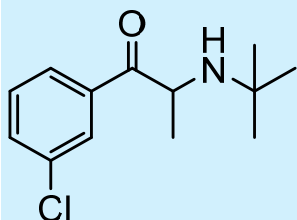


**Buphedrone.HCl**

Synonym(s): MABP.HCl

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

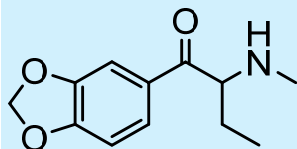
BUO-1472-HC-1LM	1.0 mg base/1 ml	calibrated solution in methanol
BUO-1472-HC-10	10 mg	powder
BUO-1472-HC-50	50 mg	powder
BUO-1472-HC-100	100 mg	powder



**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

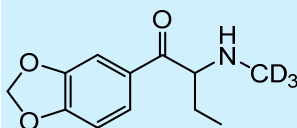


**Butylone.HCl**

Synonym(s): 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

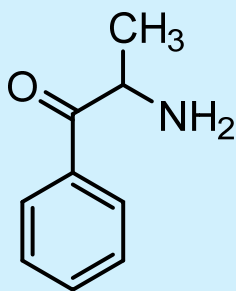


**Butylone-D<sub>3</sub>.HCl**

Synonym(s): bk-MBDB-D<sub>3</sub>.HCl

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

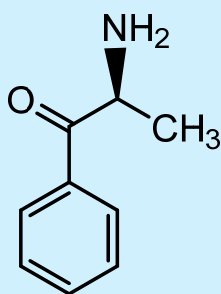
BTL-1806-HC-0.1LM	0.1 mg base/1 ml	calibrated solution in methanol
BTL-1806-HC-1LM	1.0 mg base/1 ml	calibrated solution in methanol
BTL-1806-HC-10	10 mg	powder
BTL-1806-HC-50	50 mg	powder
BTL-1806-HC-100	100 mg	powder



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

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

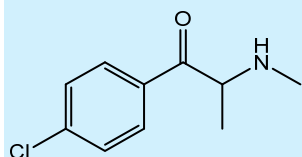
CAT-880-HC-1LAH	1.0 mg base/1 ml	cal. solution in acetonitrile/water (1:1)
CAT-880-HC-10	10 mg	powder
CAT-880-HC-50	50 mg	powder
CAT-880-HC-100	100 mg	powder



**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

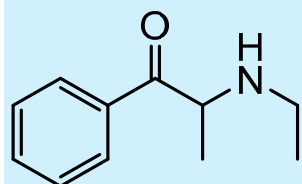


**4-Chloromethcathinone.HCl (shipment under ice for solution)**

Synonym(s): 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

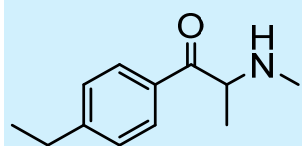


**Ethcathinone.HCl**

Synonym(s): 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

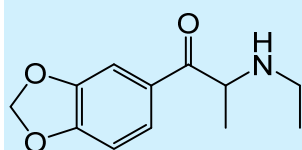


**d,l-4-Ethylmethcathinone.HCl**

Synonym(s): 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

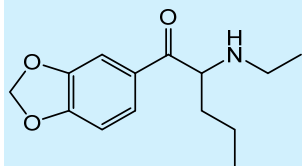


**Ethylone.HCl**

Synonym(s): 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

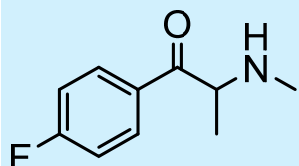


#### N-Ethylpentylone.HCl

Synonym(s): N-Ethylnorpentylone.HCl; Ephylone.HCl

$C_{14}H_{19}NO_3.HCl$  M.W.: 249.31 + 36.46

EPT-1911-HC-1LAH	1.0 mg base/1 ml	cal. solution in acetonitrile/water (1:1)
EPT-1911-HC-10	10 mg	powder
EPT-1911-HC-50	50 mg	powder
EPT-1911-HC-100	100 mg	powder

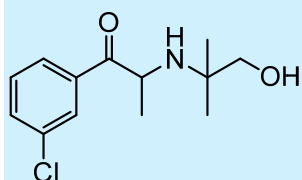


#### Flephedrone.HCl

Synonym(s): 4-Fluoromethcathinone.HCl, 4-FMC.HCl

$C_{10}H_{12}FNO.HCl$  M.W.: 181.21 + 36.46

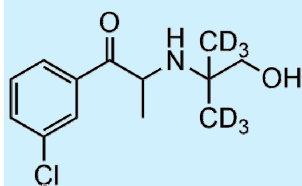
FMC-1291-HC-1LM	1.0 mg base/1 ml	calibrated solution in methanol
FMC-1291-HC-10	10 mg	powder
FMC-1291-HC-50	50 mg	powder
FMC-1291-HC-100	100 mg	powder



#### Hydroxybupropion

$C_{13}H_{18}ClNO_2$  M.W.: 255.74

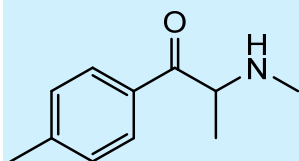
HBP-1895-FB-1LA	1.0 mg base/1 ml	calibrated solution in acetonitrile
HBP-1895-FB-10	10 mg	powder
HBP-1895-FB-50	50 mg	powder
HBP-1895-FB-100	100 mg	powder



#### Hydroxybupropion-D<sub>6</sub>

$C_{13}H_{12}D_6ClNO_2$  M.W.: 261.78

HBP-1912-FB-0.1LA	0.1 mg base/1 ml	calibrated solution in acetonitrile
HBP-1912-FB-1LA	1.0 mg base/1 ml	calibrated solution in acetonitrile
HBP-1912-FB-10	10 mg	powder
HBP-1912-FB-50	50 mg	powder
HBP-1912-FB-100	100 mg	powder

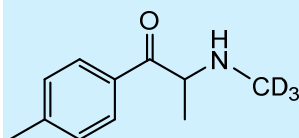


### Mephedrone.HCl

Synonym(s): 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

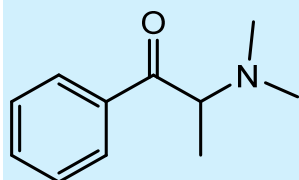


### Mephedrone-D<sub>3</sub>.HCl

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

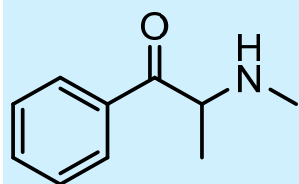


### d,l-Metamfepramone.HCl

Synonym(s): d,l-Dimethylcathinone.HCl

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

MAF-1548-HC-1LAH	1.0 mg base/1 ml	cal. solution in acetonitrile/water (1:1)
MAF-1548-HC-10	10 mg	powder
MAF-1548-HC-50	50 mg	powder
MAF-1548-HC-100	100 mg	powder

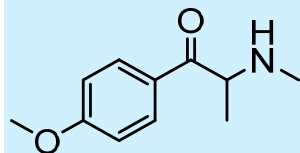


### d,l-Methcathinone.HCl

Synonym(s): 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

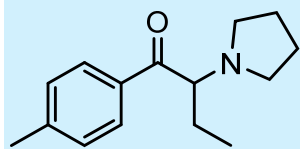


**Methedrone.HCl**

Synonym(s): 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

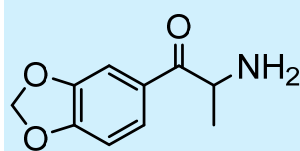


**4'-Methyl-α-pyrrolidinobutiophenone.HCl**

Synonym(s): 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

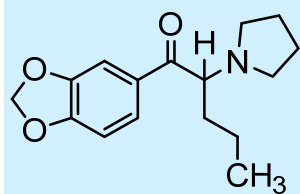


**3,4-Methylenedioxycathinone.HCl**

Synonym(s): 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



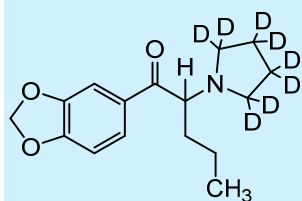
**3,4-Methylenedioxypyrovalerone.HCl**

Synonym(s): 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



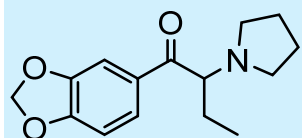


### 3,4-Methylenedioxypropylpyrrolidine-1-carboxylate-D<sub>8</sub>.HCl

Synonym(s): MDPV-D<sub>8</sub>.HCl

C<sub>16</sub>H<sub>13</sub>D<sub>8</sub>NO<sub>3</sub>.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

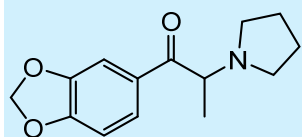


### 3',4'-Methylenedioxy-α-pyrrolidinobutyrophenone.HCl

Synonym(s): MDPBP.HCl

C<sub>15</sub>H<sub>19</sub>NO<sub>3</sub>.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

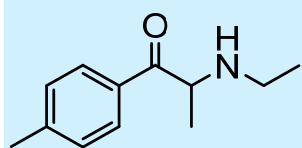


### 3,4-Methylenedioxy-α-pyrrolidinopropiophenone.HCl

Synonym(s): MDPPP.HCl

C<sub>14</sub>H<sub>17</sub>NO<sub>3</sub>.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



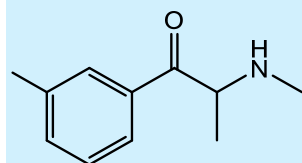
### 4-Methylethcathinone.HCl

Synonym(s): 4-MEC.HCl

C<sub>12</sub>H<sub>17</sub>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



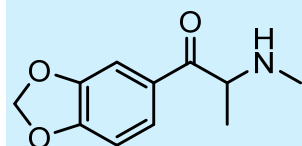


### 3-Methylmethcathinone.HCl

Synonym(s): 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

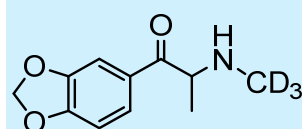


### Methylone.HCl (shipment under ice for solutions)

Synonym(s): 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

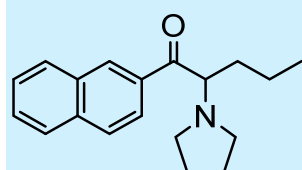


### Methylone-D<sub>3</sub>.HCl (shipment under ice for solutions)

Synonym(s): bk-MDMA-D<sub>3</sub>.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

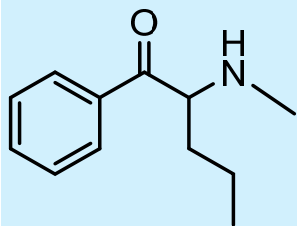


### Naphyrone.HCl (shipment under ice for solution)

Synonym(s): O-2482

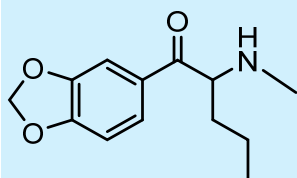
$C_{19}H_{23}NO.HCl$  M.W.: 281.39 + 36.46

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)**

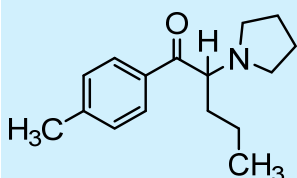
$C_{12}H_{17}NO.HCl$	M.W.: 191.27 + 36.46	
PTD-1507-HC-1LM	1.0 mg base/1 ml	calibrated solution in methanol
PTD-1507-HC-10	10 mg	powder
PTD-1507-HC-50	50 mg	powder
PTD-1507-HC-100	100 mg	powder



**Pentylone.HCl**

Synonym(s): bk-MBDP.HCl

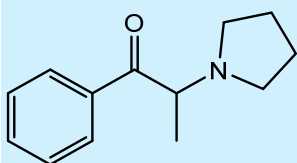
$C_{13}H_{17}NO_3.HCl$	M.W.: 235.28 + 36.46	
PTY-1506-HC-1LM	1.0 mg base/1 ml	calibrated solution in methanol
PTY-1506-HC-10	10 mg	powder
PTY-1506-HC-50	50 mg	powder
PTY-1506-HC-100	100 mg	powder



**Pyrovalerone.HCl**

$C_{16}H_{23}NO.HCl$  M.W.: 245.36 + 36.46

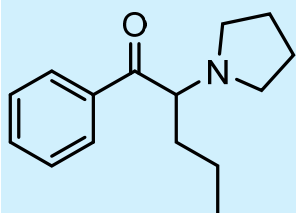
PYR-1333-HC-1LM	1.0 mg base/1 ml	calibrated solution in methanol
PYR-1333-HC-10	10 mg	powder
PYR-1333-HC-50	50 mg	powder
PYR-1333-HC-100	100 mg	powder



**Alpha-Pyrrolidinopropiophenone.HCl**

Synonym(s): 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(s): 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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Bill to	Ship to (if different from invoicing address)
Customer/Company	Customer/Company
Department	Department
Address	Address
Contact Person	Contact Person
City, ZIP	City, ZIP
State, Country	State, Country
Phone	Phone
Fax	Fax
E-Mail Address	E-Mail Address
No of pages (incl. this one)	Customer Account #
Date of Request	Purchase Order
Special instructions/Notes	

## Product List

Article-No.	Product Name	Qty	Unit Price	Total Price

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- » Opioids
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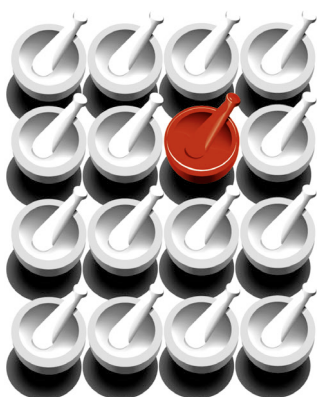
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