PRODUCT INFORMATION

(-)-(S)-Cathinone (hydrochloride) (exempt preparation)
Item No. 15655

CAS Registry No.: 72739-14-1
Formal Name: 2-amino-1-phenyl-1-propanone, monohydrochloride
MF: C<sub>9</sub>H<sub>11</sub>NO • HCl
FW: 185.7
Purity: ≥98%
UV/Vis.: λ<sub>max</sub>: 247 nm
Supplied as: A solution in methanol
Storage: -20°C
Stability: ≥1 year

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Description

Cathinone, the main psychoactive alkaloid from the khat plant (C. edulis), is a potent central stimulant and a naturally occurring analog of amphetamine. (-)-(S)-Cathinone is several times more potent than its (+)-isomer, and its absolute stereochemistry is identical to that of (+)-(S)-amphetamine.1 Like amphetamine, (-)-(S)-cathinone is a potent releaser of norepinephrine and dopamine from their intracellular stores.2,3 With an ED<sub>50</sub> value of 0.42 μmol/kg, (-)-(S)-cathinone produces amphetamine-like stimulus effects in rats trained to discriminate 1 mg/kg of (+)-(S)-amphetamine from vehicle.1 This product is intended for research and forensic applications.

References