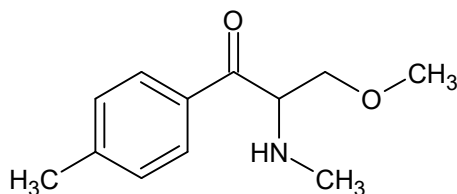




# Mexedrone

The Drug Enforcement Administration's Special Testing and Research Laboratory generated this monograph using structurally confirmed reference material.



## 1. GENERAL INFORMATION

**IUPAC Name:** 3-methoxy-2-(methylamino)-1-(4-methylphenyl)propan-1-one

**CAS#:** NA

**Synonyms:** NA

**Source:** DEA Reference Material Collection

**Appearance:** White Powder (HCl)

**UV<sub>max</sub>(nm):** Not determined

## 2. CHEMICAL AND PHYSICAL DATA

### 2.1 CHEMICAL DATA

Form	Chemical Formula	Molecular Weight	Melting Point (°C)
Base	C <sub>12</sub> H <sub>17</sub> NO <sub>2</sub>	207	Not Determined
HCl	C <sub>12</sub> H <sub>17</sub> NO <sub>2</sub> HCl	243	193.0-194.1



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## 3. QUALITATIVE DATA

### 3.1 NUCLEAR MAGNETIC RESONANCE

**Sample Preparation:** Dilute analyte to ~26 mg/mL in D<sub>2</sub>O containing TSP for 0 ppm reference and maleic acid as quantitative internal standard.

**Instrument:** 400 MHz NMR spectrometer  
**Parameters:** Spectral width: at least containing -3 ppm through 13 ppm  
Pulse angle: 90°  
Delay between pulses: 45 seconds

<sup>1</sup>HNMR: Mexedrone HCl; Lot# RM-160203-01; D<sub>2</sub>O; 400MHz

