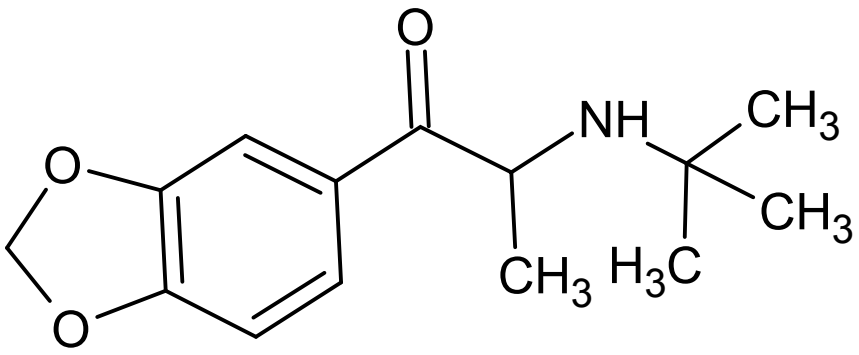
N-tert-butyl-3,4-methylenedioxycathinone

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



1. GENERAL INFORMATION

IUPAC Name: 1-(2*H*-1,3-benzodioxol-5-yl)-2-(*tert*-butylamino)propan-1-one

CAS#: Not Available

Synonyms: MDPT, tBuONE

Source: DEA Reference Material Collection

Appearance: White powder (HCl)

UV_{max}(nm): Not Determined

2. CHEMICAL AND PHYSICAL DATA

2.1 CHEMICAL DATA

Form	Chemical Formula	Molecular Weight	Melting Point (^{o}C)
Base	$C_{14}H_{19}NO_3$	249	Not Determined
HCl	$C_{14}H_{19}NO_3 \cdot HCl$	286	Not Determined

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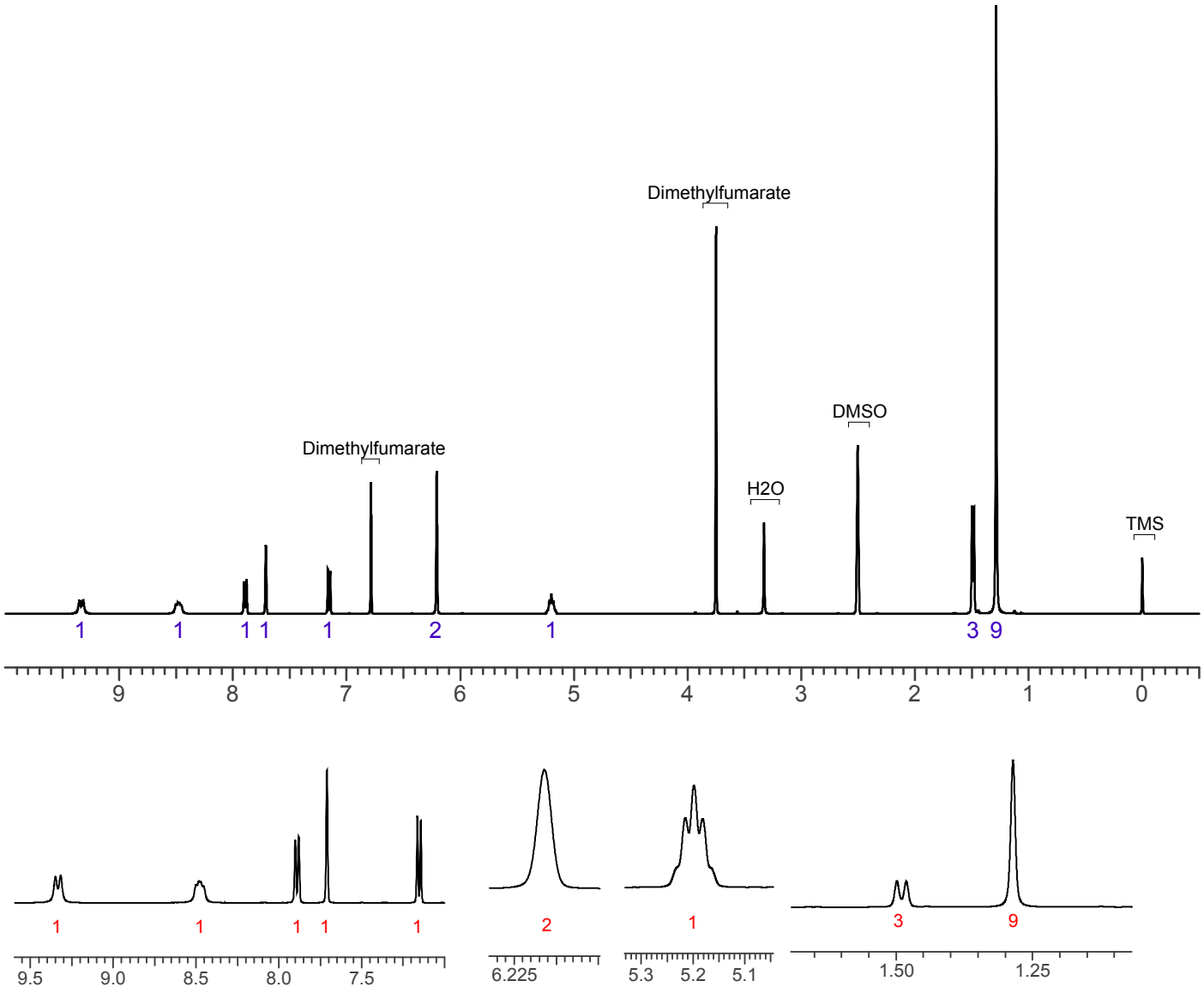
3. QUALITATIVE DATA

3.1 NUCLEAR MAGNETIC RESONANCE

Sample Preparation: Dilute analyte to ~10 mg/mL in DMSO containing TMS for 0 ppm reference and dimethylfumarate 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

^{1}H NMR: N-tert-butyl-3,4-methylenedioxycathinone HCl Lot RM-160115-01; DMSO; 400 MHz



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4. ADDITIONAL RESOURCES

generated

No resources identified as of 04/2016.