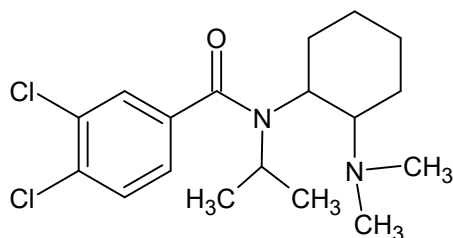




Isopropyl U-47700

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



1. GENERAL INFORMATION

IUPAC Name:	3,4-dichloro- <i>N</i> -[2-(dimethylamino)cyclohexyl]- <i>N</i> -(propan-2-yl)benzamide
CAS#:	NA
Synonyms:	NA
Source:	DEA Reference Material Collection
Appearance:	White powder
UV_{max}(nm):	Not determined

2. CHEMICAL AND PHYSICAL DATA

2.1 CHEMICAL DATA

Form	Chemical Formula	Molecular Weight	Melting Point (°C)
Base	C ₁₈ H ₂₆ Cl ₂ N ₂ O	357.32	105.26
HCl	C ₁₈ H ₂₆ Cl ₂ N ₂ O HCl	393.78	Not Determined



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3. QUALITATIVE DATA

3.1 NUCLEAR MAGNETIC RESONANCE

Sample Preparation: Dilute analyte to ~14 mg/mL in chloroform-*d* containing dimethylfumarate (QNMR internal standard) and TMS for 0 ppm reference.

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

¹HNMR: Isopropyl U-47700 base; Lot # 0526162-1; CDCl₃; 400MHz

