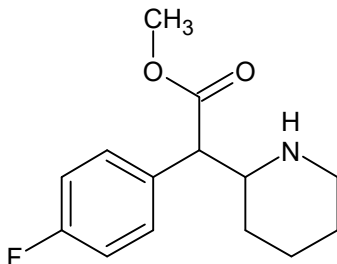




4-Fluoromethylphenidate

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



1. GENERAL INFORMATION

IUPAC Name: methyl 2-(4-fluorophenyl)-2-(piperidin-2-yl)acetate

CAS#: 1354631-33-6

Synonyms: NA

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 (°C)
Base	C ₁₄ H ₁₈ FNO ₂	251.3	Not Determined
HCl	C ₁₄ H ₁₈ FNO ₂ HCl	287.8	222.0



4-Fluoromethylphenidate

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

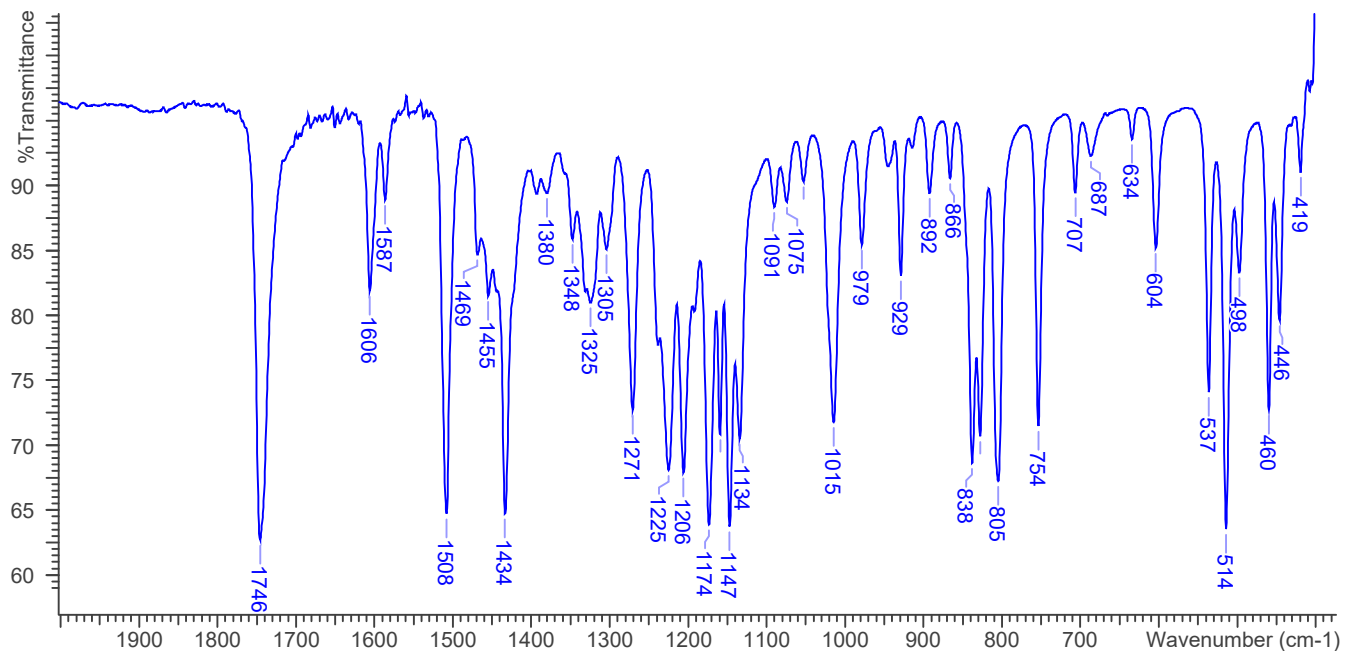
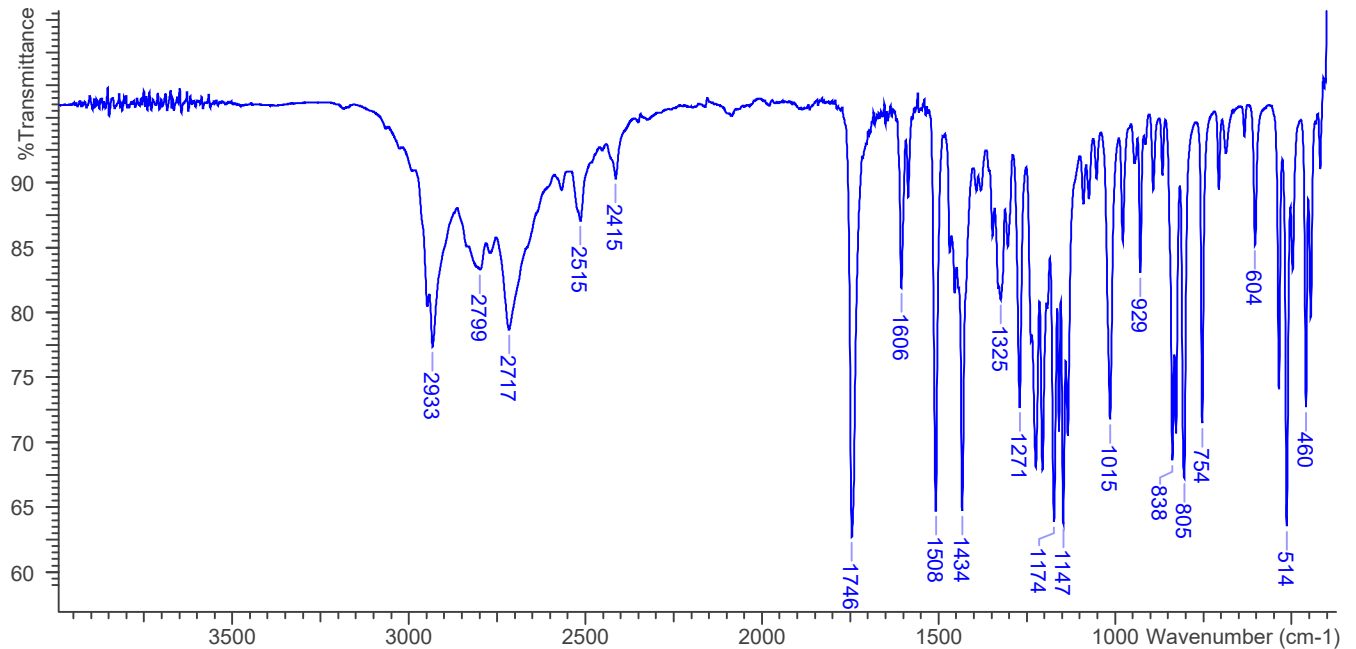


3.3 INFRARED SPECTROSCOPY (FTIR)

Instrument: FTIR with diamond ATR attachment (1 bounce)

Scan Parameters:
Number of scans: 32
Number of background scans: 32
Resolution: 4 cm⁻¹
Sample gain: 1
Aperture: 150

FTIR ATR (Diamond 1 Bounce): 4-Fluoromethylphenidate HCl; LOT # 0480761-9





4-Fluoromethylphenidate

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



4. ADDITIONAL RESOURCES

[*Wikipedia*](#)