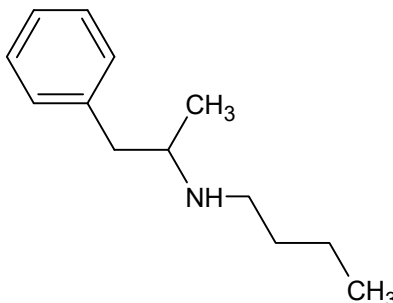




N-Butylamphetamine

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



1. GENERAL INFORMATION

IUPAC Name:	<i>N</i> -(1-phenylpropan-2-yl)butan-1-amine
CAS#:	35892-11-6
Synonyms:	<i>N</i> -butyl- α -methyl-Phenethylamine; NBA
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 ₁₃ H ₂₁ N	191.31	Not Determined
HCl	C ₁₃ H ₂₁ N HCl	227.77	171.5-173.5



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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): N-Butylamphetamine HCl; Lot # ST496-1

