

CERTIFICATE OF ANALYSIS

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1. Identification

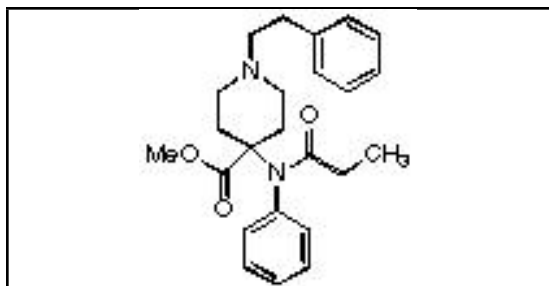
CAS Number:
59708-52-0

Catalogue Number:
C183480

Product:
Carfentanil

Synonyms:
4-[(1-Oxopropyl)phenylamino]-1-(2-phenylethyl)-4-piperidinecarboxylic Acid Methyl Ester; Carfentanyli; R 31833;

Structure:



Molecular Formula:
C₂₄H₃₀N₂O₃

Molecular Weight:
394.51

Source of Product:
Synthetic

2. Analytical Information

Lot Number:
7-ZCA-138-1

Melting Point:
98 - 100°C

Boiling Point:
N/A

Atmosphere:
Air

Appearance of Product:
Pale Beige Solid

Solubility
Chloroform (Slightly), Methanol (Slightly)

Method for Determining Identity:
¹H NMR (CDCl₃) and MS

Stability
Not Determined

Purity:
98%

Long Term Storage Condition:
Controlled Substance, -20°C Freezer

Additional Information:

TLC Conditions: SiO₂; Dichloromethane : Methanol : Ammonium Hydroxide = 9 : 1 : 0.1; Visualized with UV and KMnO₄;
Single Spot, R_f = 0.50.
¹H NMR and MS conform to structure.
Contains: 0.78% Acetone



Philip Chan, Head of Quality Assurance

QC Test Date
July 25, 2016

Retest Date
July 23, 2019