PRODUCT INFORMATION

(±)-trans-3-methyl Fentanyl (hydrochloride)
Item No. 9002482

CAS Registry No.: 78995-09-2
Formal Name: trans-N-[3-methyl-1-(2-phenylethyl)-4-piperidinyl]-N-phenyl-propanamide, monohydrochloride
MF: C23H30N2O • HCl
FW: 387.0
Purity: ≥95%
Supplied as: A neat solid
Storage: -20°C
Stability: As supplied, 4 years from the QC date provided on the Certificate of Analysis, when stored properly

Description

(±)-trans-3-methyl Fentanyl (hydrochloride) (Item No. 9002482) is an analytical reference material that is structurally categorized as an opioid. It is a methylated analog of the morphine-like, μ-opioid receptor agonist, fentanyl (Item Nos. ISO60197 | 14719). The cis-(+)-isomer of 3-methyl fentanyl is approximately 7,000 times more potent than morphine (Item No. ISO60147), while the trans-(−)-isomer is approximately 1,000 times more potent.1 (±)-trans-3-methyl Fentanyl stimulates locomotor activity and has been used illicitly to dope race horses and reportedly abused in humans as an opioid analgesic.2 This product is intended for forensic and research applications.

This product is a qualified Reference Material (RM) that has been manufactured and tested to meet ISO17025 and Guide 34 guidelines. These materials are tested using validated analytical methods on qualified instrumentation to ensure traceability of measurements. All traceable RMs may be distinguished by their CoAs and can be downloaded using the batch number located on the product label. For a representative CoA please contact our technical support.

References