4-ANPP
Item No. 18810

CAS Registry No.: 21409-26-7
Formal Name: N-phenyl-1-(2-phenylethyl)-4-piperidinamine
Synonyms: 4-Aminophenyl-1-phenethylpiperidine,
4-Anilino-N-phenethylpiperidine,
Despropionyl fentanyl
MF: C_{19}H_{24}N_{2}
FW: 280.4
Purity: ≥98%
Supplied as: A neat solid
Storage: -20°C
Stability: ≥3 years

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Description

4-ANPP (Item No. 18810) is an analytical reference material categorized as a piperidinamine. It is an intermediate in the synthesis of fentanyl (Item Nos. 22659 | 14719 | ISO60197) from N-phenethyl-4-piperidone (NPP; Item No. 20528).\(^1\) As such, 4-ANPP has been used as a precursor for the manufacture of fentanyl and related opioids. 4-ANPP is also an impurity found in fentanyl preparations. It is a known metabolite of acetyl fentanyl (Item Nos. ISO00128 | ISO60128), butyryl fentanyl (Item Nos. 14728 | 19734), furanyl fentanyl (Item Nos. 18705 | 19633), acrylfentanyl (Item No. 19312), and fentanyl.\(^2\)\(^-\)\(^5\) 4-ANPP is regulated as a Schedule II compound in the United States. This product is intended for research and forensic applications.

This product is a qualified Reference Material (RM) that has been manufactured and tested to meet ISO/IEC 17025 and ISO 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 CoFAs and can be downloaded below using the batch number located on the product label. For a representative CoFA please contact our technical support.

References


WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

WARRANTY AND LIMITATION OF REMEDY

Buyer agrees to purchase the material subject to Cayman’s Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

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