

# Product Information



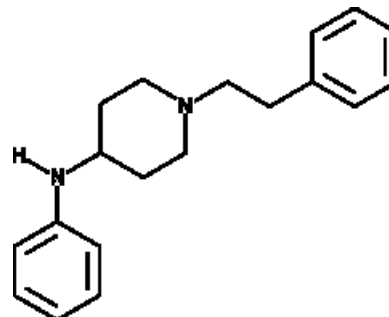
## 4-ANPP (CRM)

Cat No: 22700 - 1 mg

### General Data

**Shipping:** dry ice

**Formulation:** A 1 mg/ml solution in methanol



**Special advice:** Reference Materials RMs and Certified Reference Materials CRMs are dispatched directly to the end-user in accordance with ISO requirements. Please check regulation status before ordering; additional fees can apply.

### Product Overview

4-ANPP (CRM) (Item No. 22700) is a certified reference material that is 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).{39266} 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.{40111,32577,39265,39267} 4-ANPP is regulated as a Schedule II compound in the United States. This product is intended for research and forensic applications.

FP/11/24

**For research laboratory use only – Not for human diagnostic use.**

Buyers agree to purchase the material subject to Purchasing Terms that can be found on our website. Seek appropriate training to safely handle this product under normal conditions. Use the recommended personal protective equipment to prevent chemical exposures.

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