



**NORTHERN
SYNTHESIS**

PRODUCT BROCHURE

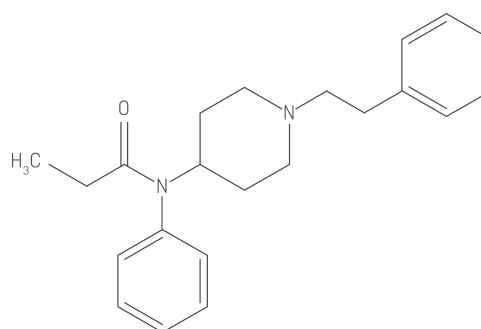


Fentanyl E.P.

MAIN INFO

Chemical Name	N-phenyl-N-[1-(2-phenylethyl)piperidin-4-yl] propanamide
CAS No	437-38-7
Therapeutic Category	Opiate analgesic (narcotic)

Structural Formula



Molecular Formula	$C_{22}H_{28}N_2O$
Molecular mass	336.5

SPECIFICATION

Physical form	A white or almost white crystalline powder.
Characters	White or almost white powder, practically insoluble in water, freely soluble in alcohol and in methanol.
Identification	Test as per E.P
Related substance (HPLC)	As per E.P
Loss on drying, %	Not more than 0.5
Assay, calculated with reference to the dried substance, %	Between 99.0 to 101.0
Appearance of solution	Clear and colorless (in 0,03% citric acid)
Melting point, °C	82.0- 86.0
Clarity and color of solution (Ph.Eur.cur.ed. 2.2.1.; 2.2.2 method)	Clear, colorless solution (in 0,03% citric acid)
Melting point °C (Ph.Eur.cur.ed. 2.2.14 method)	82.0-86.0
Sulfated ash, % (Ph.Eur.cur.ed. 2.4.14 method)	NMT 0.1

CONTACT US

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