



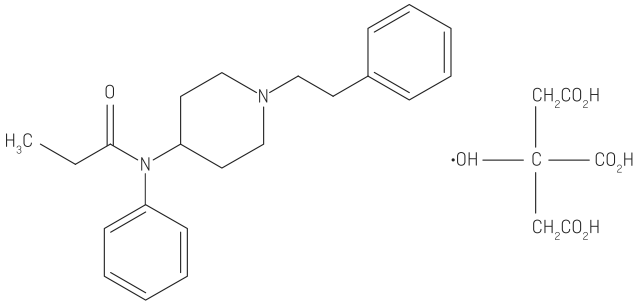
**NORTHERN
SYNTHESIS**

PRODUCT BROCHURE



Fentanyl Citrate E.P./ USP

MAIN INFO

Chemical Name	N- phenyl-N-[1-(2-phenylethyl) piperidin-4-yl] propanamide dihydrogen2-hydroxypropane-1,2,3-tricarboxylate
CAS No	990-73-8
Therapeutic Category	Opiate analgesic (narcotic)
Structural Formula	
Molecular Formula	$C_{22}H_{28}N_2O \cdot C_6H_8O_7$
Molecular mass	528.6

SPECIFICATION

Characters	Soluble in water, freely soluble in methanol, sparingly soluble in ethanol (96%), slightly soluble in chloroform.
Identification	Tests as per E.P/USP
Related substance (HPLC)	As per E.P
Ordinary impurities(TLC)	As per USP
Loss on drying, %	Not more than 0.5
Assay, % (dried substance)	Between 99.0 to 101.0
Appearance of solution	As per E.P.
Melting point, °C	About 152 (with decomposition)
Residue on ignition	As per USP
Heavy metals	As per USP
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)	152.0 (with decomposition)

CONTACT US

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