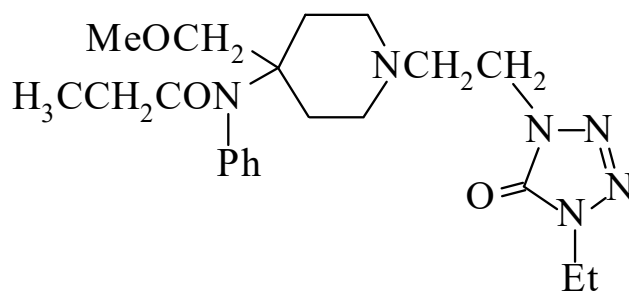




>>Entry Name: Alfentanil, BAN, INN

Synonym(s): *N*-[1-[2-(4-Ethyl-5-oxo-2-tetrazolin-1-yl)ethyl]-4-(methoxymethyl)-4-piperidyl]propionanilide. *N*-[1-[2-(4-Ethyl-4,5-dihydro-5-oxo-1*H*-tetrazol-1-yl)ethyl]-4-(methoxymethyl)-4-piperidiny]-*N*-phenylpropanamide, 9CI



CAS Registry Number: 71195-58-9

Related CAS Registry Numbers(s): 69049-06-5

Molecular Formula: C₂₁H₃₂N₆O₃

Molecular Weight: 416.522

Accurate Mass: 416.253589

Percentage Composition: C 60.56%; H 7.74%; N 20.18%; O 11.52%

Use/Importance: Opioid analgesic

Development Status: Launched 1983

pKa Value: pK_a 6.5

Calculated Log P Data: Log P 2.15 (uncertain value) (calc)

>>Derivative: Hydrochloride

Synonym(s): Alfentanil hydrochloride, USAN. Rapifen. Alfenta. Limifen. Fanaxal. R 39209

CAS Registry Number: 70879-28-6

Physical Description: Cryst. + 1H₂O (Me₂CO)

Melting Point: Mp 140.8°

Solubility: V. sol. H₂O

Hazard & Toxicity: LD₅₀ (rat, ivn) 47.5 mg/kg

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