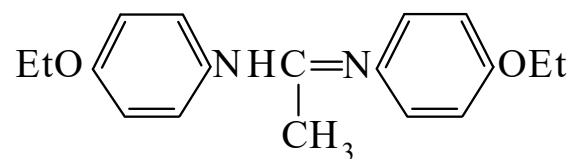




>>Entry Name: Phenacaine, INN

Synonym(s): *N,N'*-Bis(4-ethoxyphenyl)ethanimidamide, 9Cl. *N*¹,*N*²-Bis(*p*-ethoxyphenyl)acetamidine, 8Cl. Fenacaine. Holocaine. Tanicaine



CAS Registry Number: 101-93-9

Related CAS Registry Numbers(s): 620-99-5

Molecular Formula: C₁₈H₂₂N₂O₂

Molecular Weight: 298.384

Accurate Mass: 298.168128

Percentage Composition: C 72.46%; H 7.43%; N 9.39%; O 10.72%

Use/Importance: Local anaesthetic

Melting Point: Mp 117°

Calculated Log P Data: Log P 5.16 (uncertain value) (calc)

>>Derivative: Hydrochloride

Synonym(s): Phenacaine hydrochloride, USAN

CAS Registry Number: 6153-19-1

Melting Point: Mp 190-192°

Hazard & Toxicity: LD₅₀ (mus, ipr) 80mg/kg

References:

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Martindale, The Extra Pharmacopoeia, 30th edn., *Pharmaceutical Press*, 1993, 1015

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