



>>Entry Name: Octacaine, INN

Synonym(s): 3-(Diethylamino)-N-phenylbutanamide, 9CI. Diethylaminobutyranilide. Amplicaine

CAS Registry Number: 13912-77-1

$\text{PhNHCOCH}_2\text{CH}(\text{CH}_3)\text{NEt}_2$

Molecular Formula: $\text{C}_{14}\text{H}_{22}\text{N}_2\text{O}$

Molecular Weight: 234.341

Accurate Mass: 234.173213

Percentage Composition: C 71.76%; H 9.46%; N 11.95%; O 6.83%

Use/Importance: Local anaesthetic, antiarrhythmic agent

Calculated Log P Data: Log P 2.68 (calc)

>>Variant: ($\pm$)-form

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Molecular Weight: 234.341

Accurate Mass: 234.173213

Percentage Composition: C 71.76%; H 9.46%; N 11.95%; O 6.83%

Melting Point: Mp 46-47°

Boiling Point: Bp₁ 200°

>>Derivative: Hydrochloride

CAS Registry Number: 59727-70-7

Melting Point: Mp 132-134°

>>Derivative: Picrate

Melting Point: Mp 156-157°

References:

Swiss Pat., 1957, *Cilag*, 318 077; *CA*, **52**, 428a, (*synth, pharmacol*)

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