>>**Entry Name: Octacaine,** INN
Synonym(s): 3-(Diethylamino)-*N*-phenylbutanamide, 9CI. Diethylaminobutyranilide. Amplicaine

CAS Registry Number: 13912-77-1

$PhNHCOCH_2CH(CH_3)NEt_2$

Molecular Formula: $C_{14}H_{22}N_2O$
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:** (±)-form

Molecular Formula: $C_{14}H_{22}N_2O$
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: Bp_1 200°

>>**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

https://www.baizuoyan.com - CopyRight ©baizuoyan