



>>Entry Name: Elucaine, INN, USAN

Synonym(s): α -[(Diethylamino)methyl]benzenemethanol benzoate, 9CI

CAS Registry Number: 25314-87-8

Type of Compound Code(s): XA2370 XA0600

PhCOOCHPhCH2NEt2

Molecular Formula: $C_{19}H_{23}NO_2$

Molecular Weight: 297.396

Accurate Mass: 297.172879

Percentage Composition: C 76.74%; H 7.79%; N 4.71%; O 10.76%

Use/Importance: Local anaesthetic. Gastric anticholinergic agent used for gastric ulcer treatment

Development Status: Never marketed

Calculated Log P Data: Log P 4.57 (uncertain value) (calc)

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

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>>Derivative: Hydrochloride

Physical Description: Cryst. (2-propanol)

Melting Point: Mp 140-142°

>>Derivative: Methiodide

Physical Description: Cryst. (EtOH)

Melting Point: Mp 212-213°

>>Derivative: Dimethylsulfate

Melting Point: Mp 148-149°

References:

Shapiro, S.L. *et al.*, *J.A.C.S.*, 1959, **81**, 203, (*synth, pharmacol*)

Bogatov, S.V. *et al.*, *Zh. Obshch. Khim.*, 1969, **39**, 1861, (*synth, uv*)

Kundryutskova, L.A. *et al.*, *Dokl. Akad. Nauk SSSR*, 1971, **196**, 352, (*pharmacol*)