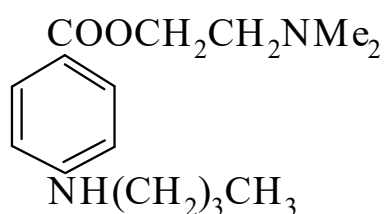




>>Entry Name: Tetracaine, INN, USAN

Synonym(s): 2-(Dimethylamino)ethyl 4-(butylamino)benzoate, 9CI. Amethocaine, BAN. Metraspray. Pontocaine



CAS Registry Number: 94-24-6

Molecular Formula: $\text{C}_{15}\text{H}_{24}\text{N}_2\text{O}_2$

Molecular Weight: 264.367

Accurate Mass: 264.183778

Percentage Composition: C 68.15%; H 9.15%; N 10.60%; O 12.10%

Use/Importance: Potassium channel (K_{ATP}) blocker. Local anaesthetic

Melting Point: Mp 43°

Boiling Point: Bp₄ 210°

Calculated Log P Data: Log P 3.65 (calc)

Hazard & Toxicity: Human systemic effects (parenteral administration) incl. muscle contractions, coma and cyanosis. LD₅₀ (rat, ivn) 6 mg/kg

Sigma: T7383

>>Derivative: Hydrochloride

Synonym(s): Tetracaine hydrochloride, USAN. Dicain. Many other names

CAS Registry Number: 136-47-0

Physical Description: Bitter-tasting cryst.

Melting Point: Mp $147\text{-}150^\circ$

Other Data: Component of Fulvidex

Hazard & Toxicity: Eye irritant. LD₅₀ (mus, orl) 160 mg/kg. LD₅₀ (rat, ivn) 4.5 mg/kg

Sigma: T7508

>>Derivative: Nitrate

Melting Point: Mp $131\text{-}132^\circ$

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