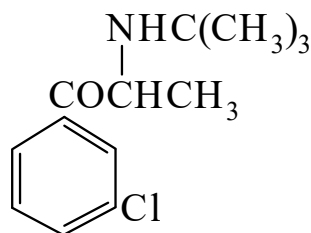




>>Entry Name: Amfebutamone, INN

Synonym(s): 1-(3-Chlorophenyl)-2-[(1,1-dimethylethyl)amino]-1-propanone, 9Cl. 2-(*tert*-Butylamino)-3'-chloropropiophenone. **Bupropion**, BAN. Wellbatrin. Wellbutrin. Zyban. BW 323U



CAS Registry Number: 34911-55-2

Molecular Formula: C₁₃H₁₈ClNO

Molecular Weight: 239.744

Accurate Mass: 239.107691

Percentage Composition: C 65.13%; H 7.57%; Cl 14.79%; N 5.84%; O 6.67%

Biological Use/Importance: Dopamine reuptake inhibitor. Antidepressant. Used as a smoking cessation aid

Development Status: Marketed drug. Launched 1989. Worldwide 74th best selling prescription drug (as hydrochloride) (\$0.69 bn) (GlaxoSmithKline) (2000, Pharma Business)

>>Variant: (±)-form

Molecular Formula: C₁₃H₁₈ClNO

Molecular Weight: 239.744

Accurate Mass: 239.107691

Percentage Composition: C 65.13%; H 7.57%; Cl 14.79%; N 5.84%; O 6.67%

Physical Description: Pale yellow oil

Boiling Point: Bp_{0.005} 52°

Calculated Log P Data: Log P 3.21 (calc)

>>Derivative: Hydrochloride

Synonym(s): Bupropion hydrochloride, USAN

CAS Registry Number: 31677-93-7

Physical Description: Cryst. (EtOH/2-propanol)

Melting Point: Mp 233-234°

Hazard & Toxicity: LD₅₀ (rat, orl) 600 mg/kg

Sigma: B1277

References:

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