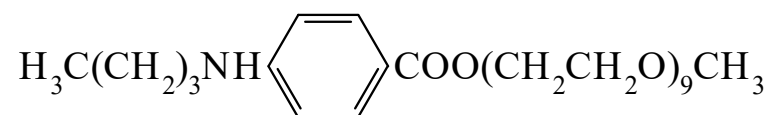




>>Entry Name: Benzonatate, BAN, INN, USAN

Synonym(s): 3,6,9,12,15,18,21,24,27-Nonaoxaoctacos-1-yl 4-(butylamino)benzoate, 9Cl. Benzononatine. Exangit. Tessalin. Tessalon. Ventussin. Egyt 13. KM 65



CAS Registry Number: 104-31-4

Molecular Formula: C₃₀H₅₃NO₁₁

Molecular Weight: 603.749

Accurate Mass: 603.361864

Percentage Composition: C 59.68%; H 8.85%; N 2.32%; O 29.15%

Use/Importance: Antitussive agent with local anaesthetic props.

Physical Description: Pale yellow oil

Solubility: Insol. aliphatic hydrocarbons

Calculated Log P Data: Log P 4 (calc)

Hazard & Toxicity: Adverse CNS and gastrointestinal effects reported when used therapeutically. Can also cause hypersensitivity reactions, pruritus. LD₅₀ (mus, orl) 400 mg/kg

References:

U.S. Pat., 1956, 2 714 608; *CA*, **50**, 7137, (*synth*)

U.S. Pat., 1959, 2 857 419; *CA*, **53**, 10132

Kase, Y. *et al.*, *Jpn. J. Pharmacol.*, 1969, **19**, 115, (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 744