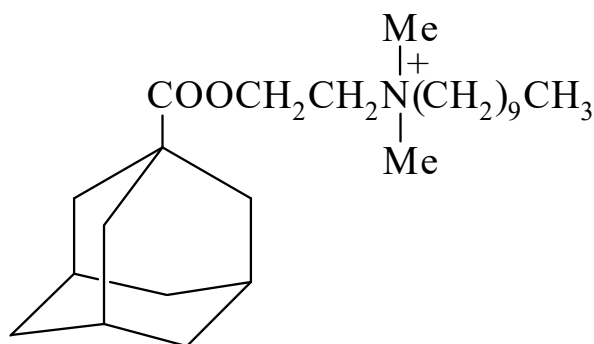




>>Entry Name: Amantanium(1+)

Synonym(s): *N,N*-Dimethyl-*N*-[2-[(tricyclo[3.3.1.1^{3,7}]dec-1-ylcarbonyl)oxy]ethyl]-1-decanaminium, 9Cl. Decyl(2-hydroxyethyl)dimethylammonium 1-adamantanecarboxylate



Molecular Formula: C₂₅H₄₆NO₂⁽⁺⁾

Molecular Weight: 392.644

Accurate Mass: 392.352854

Percentage Composition: C 76.48%; H 11.81%; N 3.57%; O 8.15%

>>Derivative: Bromide

Synonym(s): Amantanium bromide, INN. Amantalcol. Amantol. CR 898

CAS Registry Number: 58158-77-3

Molecular Formula: C₂₅H₄₆BrNO₂

Molecular Weight: 472.548

Accurate Mass: 471.29119

Percentage Composition: C 63.54%; H 9.81%; Br 16.91%; N 2.96%; O 6.77%

Use/Importance: Bactericide. Antiseptic. Used in dentifrices

Physical Description: Cryst.

Melting Point: Mp 183-184°

Hazard & Toxicity: LD₅₀ (mus, orl) 500 mg/kg

References:

U.S. Pat., 1975, *Colgate Palmolive*, 3 928 411; *CA*, **84**, 105105a, (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 30th edn., *Pharmaceutical Press*, 1993, 785