

Halothane (Fluothane)

Williams & Wilkins - Halothane

Halothane/Fluothane[®]: Halothane (1.1.2), is made by the addition of hydrogen fluoride to trichloroethylene and simultaneous substitution of chlorine atoms in the presence of antimony(III) chloride at 130 °C. The resulting 2-chloro-1,1,1-trifluoroethane (1.1.1) undergoes further bromination at 450 °C to form halothane.

ClC(Cl)=CH-Cl + H2F2 / SbCl3, 130°C -> F2C(Cl)-CH2-Cl Br2, 450°C -> F-C(F)(Br)-CH2-Cl

1.1.1 1.1.2

Halothane is a modern and widely used inhalation anesthetic. It begins to act very quickly, which is pleasing to patients, and it is very safe. Around 20% of the administered anesthetic is metabolised in liver causing hepatotoxicity. It is used in both short and long-lasting surgical operations. Halothane may permeate into the rubber components of the anaesthetic delivery devices, which might account for some slowing of the induction onset and recovery MAC=0.75%

Description: -

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Notes: Includes bibliography.

This edition was published in 1961



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A supplementary screening test involves perfusion of the rabbit heart with drugs in equi-anesthetic concentration in Ringer. Mechanically dissociated rat hippocampal CA3 neurons was used for evaluation of halothane effects on synaptic and extrasynaptic GABA_A and glutamate receptor responses.

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Summary of Use during Lactation Halothane is no longer available in the United States. If the victim is conscious and not convulsing, give 1 or 2 glasses of water to dilute the chemical and IMMEDIATELY call a hospital or poison control center. What are the warnings and precautions for Halothane? Metabolism: Metabolised hepatically to form trifluoroacetic acid, bromide and Cl salts via oxidative pathway, and fluoride salts via reductive pathway.

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We recommend you to explore , our special saving scheme.

HALOTHANE

Occupational Safety and Health Administration's Process Safety Management of Highly Hazardous Chemicals Standard List see more about these. It is packaged in dark-coloured bottles and contains 0.

Related Books

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