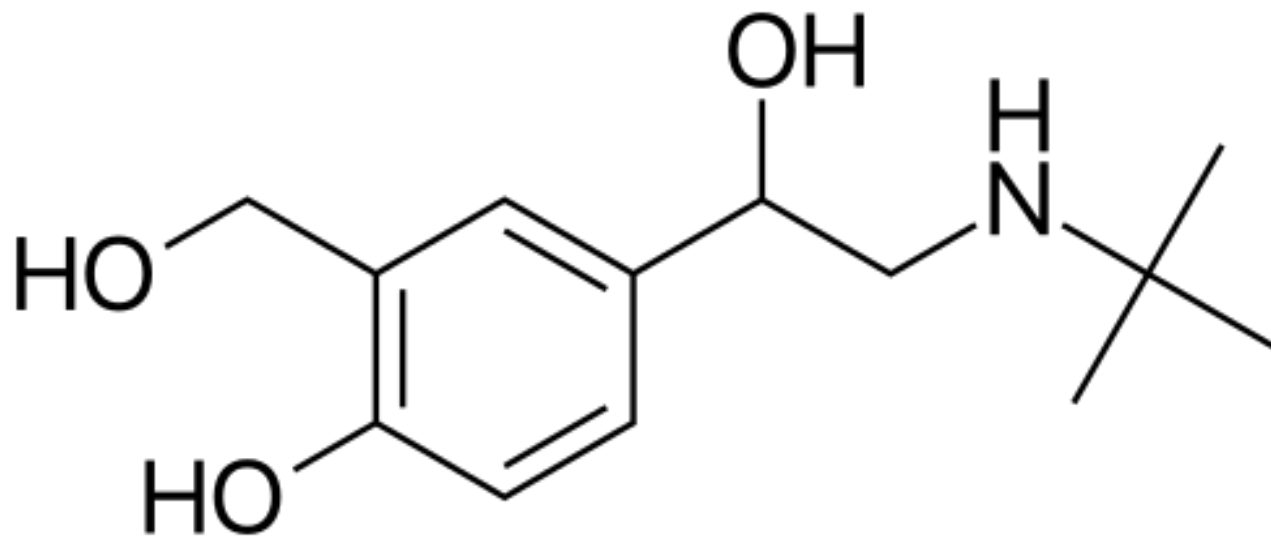


Molecule Monday

STRUCTURE



NAMES & FORMULAS

- ▶ Chemical formula: $C_{13}H_{21}NO_3$
- ▶ IUPAC Name: (*RS*)-4-[2-(*tert*-Butylamino)-1-hydroxyethyl]-2-(hydroxymethyl)phenol
- ▶ Molar Mass 239.311 g/mol
- ▶ 4-[2-(*tert*-Butylamino)-1-hydroxyethyl]-2-(hydroxymethyl)benzolol
- ▶ Airomir
- ▶ Asmol
- ▶ Salbutamol
- ▶ Salbutan
- ▶ Salbutvent
- ▶ Proventil
- ▶ albuterol

Properties

- ▶ salbutamol was discovered in 1966 Hertfordshire, England
- ▶ launched as Ventolin in 1969
- ▶ bronchospasm (due to any cause, allergen asthma or exercise can be used to delay premature labor se-induced), as well as chronic obstructive pulmonary disease
- ▶ can be found in blood or plasma
- ▶ salbutamol has been shown to improve muscle weight in rats and anecdotal reports hypothesize that it might be lead to increased fat burning and muscle gain, with multiple studies supporting this claim
- ▶ side effects: fine tremor, anxiety, headache, muscle cramps, dry mouth, and palpitation

ALBUTEROL

