**CAS Registry Number:** 23031-32-5
**Melting Point:** Mp 246-248°
**Hazard & Toxicity:** $LD_{50}$ (rat, orl) 8700 mg/kg. Exp. reprod. effects

**Sigma:** T2528

>>**Derivative:** 3,5-Bis(dimethylcarbamate)
**Synonym(s):** Terbutaline bis(dimethylcarbamate). **Bambuterol,** BAN, INN**.** KWD 2183. Bambec

**CAS Registry Number:** 81732-65-2

**Molecular Formula:** $C_{18}H_{29}N_3O_5$
**Molecular Weight:** 367.444
**Accurate Mass:** 367.210722
**Percentage Composition:** C 58.84%; H 7.95%; N 11.44%; O 21.77%
**Biological Use/Importance:** $\beta_2$-Adrenoceptor agonist, antiasthmatic, bronchodilator
**Development Status:** Launched 1990
**Calculated Log P Data:** Log P 0.56 (calc)

>>**Derivative:** 3,5-Bis(4-methylbenzoyl)
**Synonym(s):** Terbutaline di(*p*-toluate). **Tobuterol,** INN

**CAS Registry Number:** 75626-99-2

**Molecular Formula:** $C_{28}H_{31}NO_5$
**Molecular Weight:** 461.557
**Accurate Mass:** 461.220224
**Percentage Composition:** C 72.86%; H 6.77%; N 3.03%; O 17.33%
**Biological Use/Importance:** Bronchodilator
**Calculated Log P Data:** Log P 5.94 (calc)

>>**Derivative:** 3,5-Bis(2-methylpropanoyl)
**Synonym(s):** Terbutaline diisobutyrate. **Ibuterol,** INN**.** Spiranyl

**CAS Registry Number:** 53034-85-8

**Biological Use/Importance:** Bronchodilator, smooth muscle relaxant
**Development Status:** Never marketed
**Calculated Log P Data:** Log P 2.36 (calc)

>>**Derivative:** 3,5-Bis(2-methylpropanoyl); hydrobromide
**Synonym(s):** KWD 2058

**CAS Registry Number:** 52223-83-3
**Melting Point:** Mp 168-170°

>>**Derivative:** 3,5-Bis(2,2-dimethylpropanoyl)
**Synonym(s):** Terbutaline dipivalate. **Divabuterol,** INN

**CAS Registry Number:** 54592-27-7

**Molecular Formula:** $C_{22}H_{35}NO_5$
**Molecular Weight:** 393.522
**Accurate Mass:** 393.251524
**Percentage Composition:** C 67.15%; H 8.96%; N 3.56%; O 20.33%
**Biological Use/Importance:** Bronchospasmolytic, uterine relaxant
**Calculated Log P Data:** Log P 3.16 (calc)

>>**Derivative:** 3,5-Bis(2,2-dimethylpropanoyl); hydrobromide
**Synonym(s):** KWD 2085

**CAS Registry Number:** 52223-87-7
**Physical Description:** Cryst. ($CHCl_3$/$Et_2O$/petrol)
**Melting Point:** Mp 190-192°

**References:**