



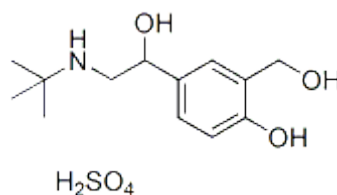
Salbutamol sulfate (Albuterol)

Kinase Inhibitor

E1KS2507

Kinase Inhibitor Name: Salbutamol sulfate (Albuterol)**Catalog Number:** E1KS2507**Quantity:** 250mg

1. PHYSICAL AND CHEMICAL PROPERTIES

M.Wt: 337.39**Formula:** $C_{13}H_{21}NO_3 \cdot H_2SO_4$ **Solubility:** DMSO ≥ 14 mg/mL Water ≥ 68 mg/mL Ethanol ≥ 68 mg/mL**Stability:** 2 years -20°C Powder1 week -4°C in DMSO1 month -80°C in DMSO**CAS No.:** 51022-70-9**Molecular Structure:**

2. Biological Activity

Salbutamol(Albuterol) is a short-acting β_2 -adrenergic receptor agonist with an IC_{50} of $8.93 \mu\text{M}$.

The tertiary butyl group in salbutamol (or albuterol) makes it more selective for β_2 -receptors. The drug is sold as a racemic mixture mainly because the S isomer blocks metabolism pathways while the R isomer shows activity. It exerts anabolic effects through androgen receptor agonistic activity in vitro.

3. References:

The pharmacological and toxicological properties of this product have not been fully investigated. Exercise caution in use and handling. This product must not be used in humans.

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