
Salbutamol

产品编号: D58203

CAS: 18559-94-9

分子式: C₁₃H₂₁NO₃

纯度: 99%

InChi Key: InChiKey=NDAUXUAQIAJITI-UHFFFAOYSA-N

Smiles: CC(C)(C)NCC(O)c1ccc(O)c(CO)c1

外观: 固体粉末

作用通路: GPCR/G Protein; Neuroscience

作用靶点: Adrenergic Receptor

溶解性: DMSO: 25 mg/mL (104.46 mM)

保存条件: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

产品介绍: Albuterol stimulates beta2-adrenergic receptors in the lungs, thereby activating the enzyme adenylate cyclase that catalyzes the conversion of ATP to cyclic-3', 5'-adenosine monophosphate (cAMP). Albuterol Sulfate is the sulfate salt of the short-acting sympathomimetic agent albuterol, a 1:1 racemic mixture of (R)-albuterol and (S)-albuterol with bronchodilator activity. Increased cAMP concentrations relax the bronchial smooth muscle, relieve bronchospasms, and reduce inflammatory cell mediator release, especially from mast cells. To a lesser extent, albuterol stimulates beta1-adrenergic receptors, thereby increasing the force and rate of myocardial contraction.