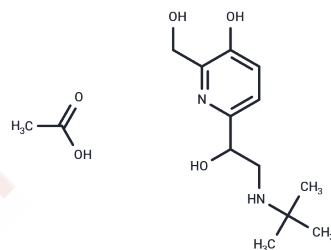


## Pirbuterol Acetate

## Chemical Properties

CAS No. :	65652-44-0
Formula:	C <sub>14</sub> H <sub>24</sub> N <sub>2</sub> O <sub>5</sub>
Molecular Weight:	300.35
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Pirbuterol Acetate is a short-acting beta-2 adrenergic receptor agonist with bronchiectasis and is used as a respiratory activated quantitative inhaler in the treatment of asthma.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3294 mL	16.6472 mL	33.2945 mL
5 mM	0.6659 mL	3.3294 mL	6.6589 mL
10 mM	0.3329 mL	1.6647 mL	3.3294 mL
50 mM	0.0666 mL	0.3329 mL	0.6659 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

- Littner MR, Tashkin DP, Calvarese B, Bautista M. Acute bronchial and cardiovascular effects of increasing doses of pirbuterol acetate aerosol in asthma. *Ann Allergy*. 1982 Jan;48(1):14-20. PubMed PMID: 7055342.
- Levinsky HV, Breckenridge C, Lough R, Gonci DA, McIlhenny HM, Qureshi S. Six month inhalation studies of pirbuterol acetate aerosol in the beagle dog and squirrel monkey. *Fundam Appl Toxicol*. 1981 Nov-Dec;1(6):426-31. PubMed PMID: 7185594.
- Derksen FJ, Olszewski M, Robinson NE, Berney C, Lloyd JW, Hakala J, Matson C, Ruth D. Use of a hand-held, metered-dose aerosol delivery device to administer pirbuterol acetate to horses with 'heaves'. *Equine Vet J*. 1996 Jul;28(4):306-10. PubMed PMID: 8818596.
- Bronsky EA, Debelic M, Pujet JC, Hahn M. Ease-of-use study of pirbuterol acetate in the Autohaler actuator in three countries: the United States, Germany, and France. *J Asthma*. 1993;30(6):439-43. PubMed PMID: 8244913.

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