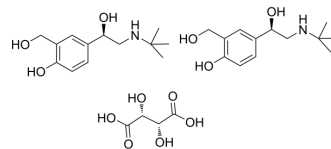


Levalbuterol tartrate

| | |
|--------------------|---|
| Cat. No.: | HY-17457 |
| CAS No.: | 661464-94-4 |
| Molecular Formula: | C ₃₀ H ₄₈ N ₂ O ₁₂ |
| Molecular Weight: | 628.71 |
| Target: | Adrenergic Receptor |
| Pathway: | GPCR/G Protein; Neuronal Signaling |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | |
|-------------------------------------|---|
| Description | Levosalbutamol tartrate (levalbuterol) is the R-enantiomer of the short-acting β ₂ -adrenergic receptor agonist salbutamol. IC ₅₀ Value: Target: β ₂ -adrenergic receptor. Levosalbutamol and salbutamol produced significantly better bronchodilator responses than placebo. Both the drugs showed equivalent time-dependent bronchodilator responses as measured by area under curve for percent change in FEV ₁ and FVC over 6h. The time to onset of action, mean maximum bronchodilator response and duration of bronchodilator response were similar between levosalbutamol and salbutamol [1]. |
| IC₅₀ & Target | β adrenergic receptor |

REFERENCES

[1]. Jantikar A, et al. Comparison of bronchodilator responses of levosalbutamol and salbutamol given via a pressurized metered dose inhaler: a randomized, double blind, single-dose, crossover study. *Respir Med.* 2007 Apr;101(4):845-9.

Caution: Product has not been fully validated for medical applications. For research use only.

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