

Budesonide mixture with salmeterol

Chemical Properties

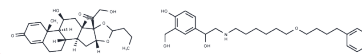
CAS No. : 1535180-43-8

Formula: C₅₀H₇₁NO₁₀

Molecular Weight: 846.1

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	Budesonide mixture with salmeterol is used as a β 2 -agonist.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1819 mL	5.9095 mL	11.8189 mL
5 mM	0.2364 mL	1.1819 mL	2.3638 mL
10 mM	0.1182 mL	0.5909 mL	1.1819 mL
50 mM	0.0236 mL	0.1182 mL	0.2364 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

Cossette B, Beauchesne MF, Forget A, Lemièrre C, Larivée P, Rey E, Blais L. Relative perinatal safety of salmeterol vs formoterol and fluticasone vs budesonide use during pregnancy. *Ann Allergy Asthma Immunol*. 2014 May;112(5):459-64. doi: 10.1016/j.anai.2014.02.010. Epub 2014 Mar 19. PubMed PMID: 24656659.

Larsson K, Janson C, Lisspers K, Jørgensen L, Stratelis G, Telg G, Ställberg B, Johansson G. Combination of budesonide/formoterol more effective than fluticasone/salmeterol in preventing exacerbations in chronic obstructive pulmonary disease: the PATHOS study. *J Intern Med*. 2013 Jun;273(6):584-94. doi: 10.1111/joim.12067. Epub 2013 Apr 1. PubMed PMID: 23495860.

Tunceli O, Williams SA, Kern DM, Elhefni H, Pethick N, Wessman C, Zhou S, Trudo F. Comparative effectiveness of budesonide-formoterol combination and fluticasone-salmeterol combination for asthma management: a United States retrospective database analysis. *J Allergy Clin Immunol Pract*. 2014 Nov-Dec;2(6):719-26. doi: 10.1016/j.jaip.2014.07.016. Epub 2014 Oct 3. PubMed PMID: 25439363.

Akamatsu T, Shirai T, Kato M, Yasui H, Hashimoto D, Fujisawa T, Tsuchiya T, Inui N, Suda T, Chida K. Switching from salmeterol/fluticasone to formoterol/budesonide combinations improves peripheral airway/alveolar inflammation in asthma. *Pulm Pharmacol Ther*. 2014 Feb;27(1):52-6. doi: 10.1016/j.pupt.2013.04.001. Epub 2013 Apr 11. PubMed PMID: 23583566.

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