

# Product Information

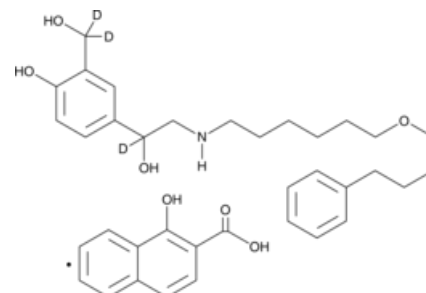


## Salmeterol-d<sub>3</sub> (xinafoate)

Cat No: 27191 - 500 µg

### General Data

Shipping:	dry ice
Formulation:	A solid
Purity:	≥99% deuterated forms (d1-d3)



### Product Overview

Salmeterol-d<sub>3</sub> is intended for use as an internal standard for the quantification of salmeterol (Item No. 16009) by GC- or LC-MS. Salmeterol is a long-acting  $\beta_2$ -adrenergic receptor agonist ( $\beta_2$ -AR; EC<sub>50</sub>s = 0.79, 63.1, and 9.4 nM for  $\beta_2$ -,  $\beta_1$ -, and  $\beta_3$ -ARs, respectively).{25442} It inhibits electrically-stimulated contraction of isolated guinea pig trachea strips (EC<sub>50</sub> = 2.51 nM) and histamine-induced bronchoconstriction in guinea pigs via aerosol administration of doses ranging from 0.12 to 12 mM. {25442,42567} Salmeterol binds to an exosite domain of  $\beta_2$ -adrenergic receptors, producing a slow onset of action and prolonged activation.{25994} Formulations containing salmeterol have been used in the treatment of asthma, including exercise-induced asthma, and chronic obstructive pulmonary disease.

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Buyers agree to purchase the material subject to Purchasing Terms that can be found on our website. Seek appropriate training to safely handle this product under normal conditions. Use the recommended personal protective equipment to prevent chemical exposures.

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