

Product Data Sheet

Product Name: Cimbuterol

Cat. No.: GC47089

Chemical Properties

Cas. No. 54239-39-3

SMILES N#CC1=CC(C(CNC(C)(C)C)O)=CC=C1N

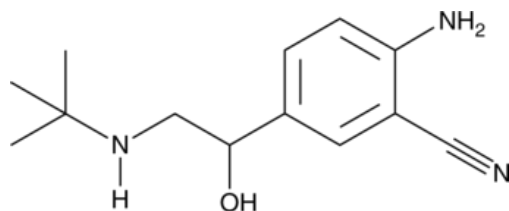
Formula C₁₃H₁₉N₃O M.Wt 233.3

Solubility Dichloromethane: Slightly soluble, Methanol: Slightly soluble
Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Cimbuterol is an agonist of β -adrenergic receptors (β -ARs).^{1,2} It has been used as a standard for the simultaneous detection of multiple veterinary residues in commercial animal meat by LC-MS/MS.¹ Formulations containing cimbuterol have been used to promote growth and improve feed efficiency in livestock.

1. Shao, B., Jia, X., Zhang, J., et al. Multi-residual analysis of 16 β -agonists in pig liver, kidney and muscle by ultra performance liquid chromatography tandem mass spectrometry Food Chem. 114(3)1115-1121(2009)
2. Robert, C., Gillard, N., Brasseur, P.-Y., et al. Rapid multi-residue and multi-class qualitative screening for veterinary drugs in foods of animal origin by UHPLC-MS/MS Food Addit. Contam. Part A. Chem. Anal. Control Expo. Risk Assess. 30(3)443-457(2013)

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

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