

Zilpaterol-D7

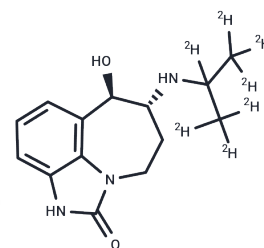
Chemical Properties

CAS No. : 1217818-36-4

Formula: C₁₄H₁₂D₇N₃O₂

Molecular Weight: 268.36

Storage: Store at low temperature, Keep away from moisture
 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	Zilpaterol-D7 is a 2H-labeled Zilpaterol. Zilpaterol (T21539) is a β -adrenergic receptor agonist, reducing marbling score by increasing muscle cross-sectional area and diluting intramuscular fat in beef cattle.
Targets(IC50)	Adrenergic Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7263 mL	18.6317 mL	37.2634 mL
5 mM	0.7453 mL	3.7263 mL	7.4527 mL
10 mM	0.3726 mL	1.8632 mL	3.7263 mL
50 mM	0.0745 mL	0.3726 mL	0.7453 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

- Piña-Olmos S, et al. Extracellular and intracellular zilpaterol and clenbuterol quantification in Hep G2 liver cells by UPLC-PDA and UPLC-MS/MS. J Pharm Biomed Anal. 2021 Feb 20;195:113817.
 Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019 Feb;53(2):211-216.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481