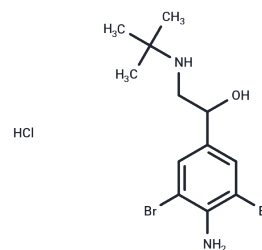


Brombuterol hydrochloride

Chemical Properties

CAS No. :	21912-49-2
Formula:	C ₁₂ H ₁₉ Br ₂ ClN ₂ O
Molecular Weight:	402.56
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	Brombuterol is an agonist of the β_2 -adrenergic receptor (β_2 -AR). It has been used as an illicit feed additive to increase the muscle-to-fat ratio of livestock.
Targets(IC50)	Others, Adrenergic Receptor

Solubility Information

Solubility	DMSO: Soluble Methanol: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4841 mL	12.4205 mL	24.841 mL
5 mM	0.4968 mL	2.4841 mL	4.9682 mL
10 mM	0.2484 mL	1.2421 mL	2.4841 mL
50 mM	0.0497 mL	0.2484 mL	0.4968 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

González-Antu?a, A., Rodríguez-González, P., Centineo, G., et al. Simultaneous determination of seven β_2 -agonists in human and bovine urine by isotope dilution liquid chromatography-tandem mass spectrometry using compound-specific minimally ¹³C-labelled analogues]. *Chromatogr. A*. 137263-71(2014)

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