Product datasheet

Ractopamine hydrochloride, β₁ and β₂-adrenoceptor agonist ab142536

Overview

Product name
Ractopamine hydrochloride, β₁ and β₂-adrenoceptor agonist

Description
Potent β₁ and β₂-adrenoceptor agonist

Biological description
Potent β₁ and β₂-adrenoceptor agonist. Increases force and rate of atrial contractions (EC₅₀ = 100 nM). Relaxes KCl-contracted smooth muscle (EC₅₀ = 60 nM). Orally active in vivo.

Purity
> 98%

Properties

Chemical name
4-[3-[[2-Hydroxy-2-(4-hydroxyphenyl)ethyl]amino]butyl]phenol hydrochloride

Molecular weight
337.84

Chemical structure

Molecular formula
C₁₈H₂₃NO₃.HCl

CAS Number
90274-24-1

PubChem identifier
14010333

Storage instructions
Store at Room Temperature. The product can be stored for up to 12 months.

Solubility overview
Soluble in DMSO

Handling
Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

SMILES
CC(CCC1=CC=C1(C=O)O)NCC(C2=CC=C(C=C2)O)O.Cl

Source
Synthetic
Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE, NOT FOR USE IN HUMANS"

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- Replacement or refund for products not performing as stated on the datasheet
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