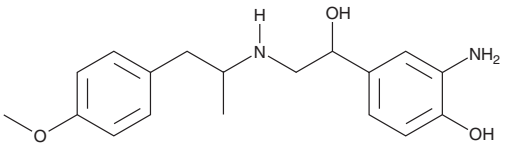
PRODUCT INFORMATION

Formoterol EP Impurity A

Item No. 46098

CAS Registry No.: 150513-24-9
Formal Name: 3-amino-4-hydroxy-α-[[[2-(4-methoxyphenyl)-1-methylethyl] amino]methyl]-benzenemethanol
Synonyms: FMTR-RS-1, Formoterol deformylated
MF: $C_{18}H_{24}N_2O_3$
FW: 316.4
Purity: ≥95%
Supplied as: A solid
Storage: -20°C
Stability: ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Formoterol EP impurity A is supplied as a solid. A stock solution may be made by dissolving the formoterol EP impurity A in the solvent of choice, which should be purged with an inert gas. Formoterol EP impurity A is slightly soluble (0.1-1 mg/ml) in DMSO.

Description

Formoterol EP impurity A is a potential impurity in commercial preparations of the β2-adrenergic receptor (β2-AR) agonist formoterol.[1] It is a degradation product formed by acid or base hydrolysis or thermal, photolytic, or hydrolytic stress.

Reference

1. Simhachalam, P., Sabithakala, T., Satyanarayana, K.V.V., *et al*. A novel stability-indicating method development and validation using reverse-phase ultra–high-performance liquid chromatography (RP- UPLC-PDA) technique for quantification of related substances and assay of formoterol fumarate in its inhalation solution (20 µg mL^{-2}). *Acta Chromatagr.* **38(1)**, 164-179 (2026).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

WARRANTY AND LIMITATION OF REMEDY
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