CERTIFICATE OF ANALYSIS

(Certificate No. KMS024009-01)

Release Date: 02/03/2026 **Re-test Date:** 01/03/2029

Salmeterol Impurity D

Identification

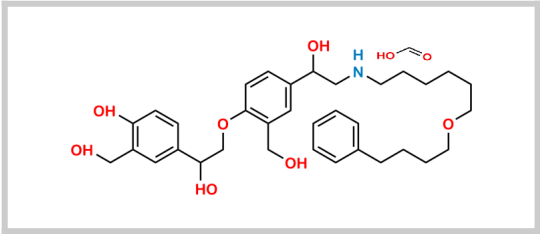
Chemical Name :
4-(1-Hydroxy-2-(4-(1-hydroxy-2-((6-(4-phenylbutoxy)hexyl)amino)ethyl)-2-(hydroxymethyl)phenoxy)ethyl)-2-(hydroxymethyl)phenol formate salt

CAT No. : KMS024009

CAS No. : Not Available

Molecular Formula : C34H47NO7 : CH2O2

Molecular Weight : 581.8 : 46.0



Analytical Information

Batch No. : S024009-114-181

Description : Highly Hygroscopic Off White Solid

HPLC Purity : 96.11 %

Weight Loss By TGA : 1.37 %

% Potency : 94.79 %

Solubility : ACN : WATER (1 : 1)

Mass : Confirm

IR : Confirm

1H NMR : Confirm

Additional Information

Long Term Storage : Store at -20 deg. C for long term storage

Shipping Condition : Product is stable to be shipped at 2-8 deg. C

% Potency = [100 - 1.37(Weight Loss By TGA)] x [96.11(HPLC Purity)]/100 = 94.79 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		02/03/2026
Reviewed & Approved By	Quality Control	Parag Vekariya		02/03/2026

Attachments : COA, HPLC, MASS, 1HNMR, IR and TGA