

Analysis Date: 24-09-2025

Re-test Date: 24-09-2028

SALMETEROL IMPURITY 4

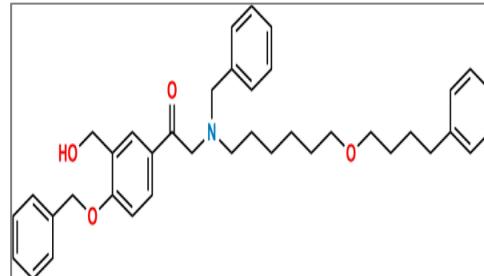
Identification

Chemical Name : 2-(Benzyl(6-(4-phenylbutoxy)hexyl)amino)-1-(4-(benzyloxy)-3-(hydroxymethyl)phenyl)ethan-1-one

CAT No : ALL-SALM-20

CAS No : N.A.

Molecular Formula : C39H47NO4



Molecular Weight : 593.8

Analytical Information

| | | | |
|------------------------------|-----------------------------------|--------------------|-----------|
| Batch Code | : ALL-SALM-20 | HPLC Purity | : 98.00% |
| Solubility | : USP Diluent / EP Diluent (MEOH) | Potency | : 95.87% |
| Appearance of Product | : Off White Solid | Mass | : Confirm |
| Long Term Storage | : -20°C | IR Analysis | : Confirm |
| Weight Loss By TGA | : 1.145% | 1HNMR | : Confirm |
| Residue Of Ignition | : 1.025% | | |

Additional Information

%Potency = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =

$$[100 - (1.145 + 1.025) \times 98.00]/100 = 95.87\%$$

Recommendation : Released

| Department | Name | Signature |
|--------------------------|------------------------------------|------------------|
| Prepared and Reviewed by | Mr. Vipul khadase Jr. Executive | |
| Approved By | Dr. Ashish Keche Director QA&QC | |

Attachment : HPLC, Mass, 1H NMR, IR, TGA

Shipping Condition : All Product are stable to be shipped at room temperature, unless otherwise specified

Corporate Office

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