

Analysis Date: 19-09-2025

Re-test Date: 19-09-2028

SALBUTAMOL IMPURITY 11

Identification

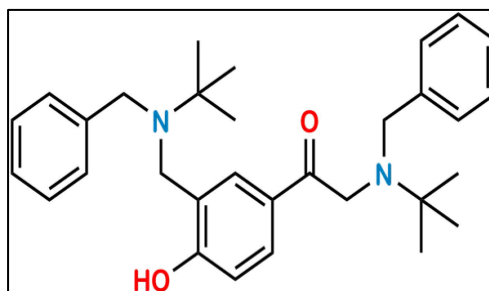
Chemical Name : 2-(Benzyl(tert-butyl)amino)-1-(3-((benzyl(tert-butyl)amino)methyl)-4-hydroxyphenyl)ethan-1-one

CAT No : ALL-SALB-27

CAS No : N.A.

Molecular Formula : C₃₁H₄₀N₂O₂

Molecular Weight : 472.7



Analytical Information

| | | | |
|------------------------------|----------------------|-------------------------|-----------|
| Batch Number | : ALL-SALB-27 | HPLC Purity | : 98.00% |
| Solubility | : MeOH: ACN | Potency | : 97.55% |
| Appearance of Product | : Off White Solid | Mass | : Confirm |
| Long Term Storage | : 2-8 ⁰ C | IR Analysis | : Confirm |
| Weight Loss By TGA | : 0.133 % | ¹HNMR | : Confirm |
| Residue Of Ignition | : 0.327 % | | |

Additional Information

%Potency = [100 - (Weight Loss By TGA % + Residue Of Ignition %) × Chromatographic Purity%]/100 =
 [100 - (0.133+0.327) × 98.00%]/100 = 97.55%

Recommendation : Released

| | Department | Name | Signature |
|--------------------------|------------|------------------------------------|-----------|
| Prepared and Reviewed by | Analytical | Mr. Vipul Khadse Jr. Executive | |
| Approved By | QA&QC | 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