

Analysis Date: 24-09-2025

Re-test Date: 24-09-2028

SALMETEROL IMPURITY 12

Identification

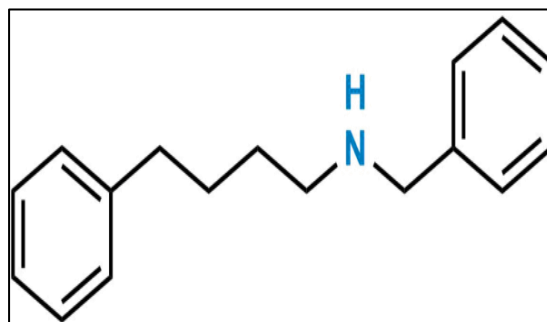
Chemical Name : N-benzyl-4-phenylbutan-1-amine

CAT No : ALL-SALM-12

CAS No : 129951-06-0

Molecular Formula : C₁₇H₂₁N

Molecular Weight : 239.4



Analytical Information

Batch Number : ALL-SALM-12

Solubility : MeOH: ACN

Appearance of Product : Off White Solid

Long Term Storage : 2-8 °C

Weight Loss By TGA : 1.483 %

Residue Of Ignition : 0.849 %

HPLC Purity : 98.00%

Potency : 95.71 %

Mass : Confirm

IR Analysis : Confirm

¹H NMR : Confirm

Additional Information

$$\begin{aligned} \% \text{Potency} &= [100 - (\text{Weight Loss By TGA \%} + \text{Residue Of Ignition \%}) \times \text{Chromatographic Purity\%}] / 100 = \\ &= [100 - (1.483 + 0.849) \times 98.00] / 100 = 95.71\% \end{aligned}$$

Recommendation : Released

	Department	Name	Signature
Prepared and Reviewed by	Analytical	Mr. Vipul Khadase 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

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