CERTIFICATE OF ANALYSIS

(Certificate No. KMG005011-01)

Release Date: 22/08/2025 **Re-test Date:** 21/08/2028

Glycopyrrolate Related Compound D

Identification

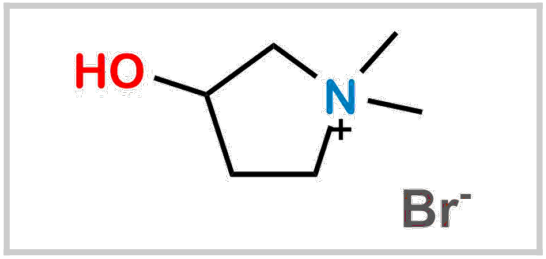
Chemical Name :
3-Hydroxy-1,1-dimethylpyrrolidin-1-ium bromide

CAT No. : KMG005011

CAS No. : 51052-74-5

Molecular Formula : C6H14NO : Br

Molecular Weight : 116.2 : 79.9



Analytical Information

Batch No.	: G005011-102-229	**Solubility**	: Methanol
Description	: Light Pink Hydroscopic Solid	**Mass**	: Confirm
GC Purity	: 96.98 %	**IR**	: Confirm
Weight Loss By TGA	: 0.71 %	**1H NMR**	: Confirm
% Potency	: 96.29 %		

Additional Information

Long Term Storage : Store at 2-8 deg. C for long term storage

Shipping Condition : Product is stable to be Shipped at Room Temperature

% Potency = [100 - 0.71(Weight Loss By TGA)] x [96.98(GC Purity)]/100 = 96.29 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		25/08/2025
Reviewed & Approved By	Quality Control	Jatin Patel		25/08/2025

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