

# CERTIFICATE OF ANALYSIS

(Certificate No. KMC002016-01)

Release Date: 21/04/2023

Re-test Date: 20/04/2026

## Dihexyl Aminoquat

### Identification

**Chemical Name :**

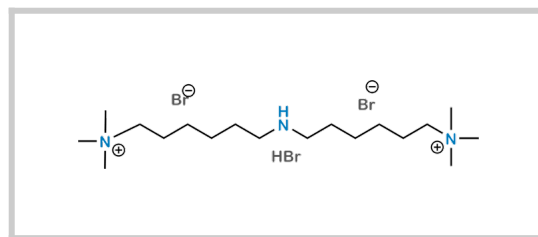
6,6'-Azanediylbis(N,N,N-trimethylhexan-1-aminium) bromide hydrobromide

CAT No. : KMC002016

CAS No. : 2170771-70-5

Molecular Formula : C<sub>18</sub>H<sub>43</sub>N<sub>3</sub> : HBr : 2Br

Molecular Weight : 301.6 : 80.9 : 2(79.9)



### Analytical Information

Batch No. : COL-DIH-045-108

Description : White Hygroscopic Solid

HPLC Purity : 99.68 %

Weight Loss By TGA : 1.54 %

% Potency : 98.14 %

Solubility : Water

Mass : Confirm

IR : Confirm

<sup>1</sup>H NMR : Confirm

### 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 - 1.54(Weight Loss By TGA)] x [99.68(HPLC Purity)]/100 = 98.14 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		22/05/2025
Reviewed & Approved By	Quality Control	Jatin Patel		22/05/2025

Attachments : COA, HPLC, MASS, <sup>1</sup>HNMR, IR and TGA