

# CERTIFICATE OF ANALYSIS

(Certificate No. KMC011002-03)

Release Date: 13/11/2024

Re-test Date: 13/11/2027

## Clidinium Bromide

### Identification

**Chemical Name :**

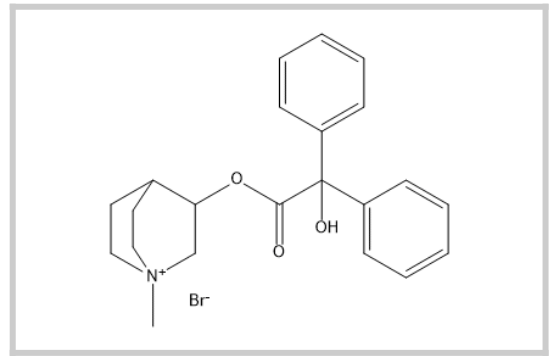
3-(2-hydroxy-2,2-diphenylacetoxy)-1-methylquinuclidin-1-ium bromide

**CAT No.** : KMC011002

**CAS No.** : 3485-62-9

**Molecular Formula** : C<sub>22</sub>H<sub>26</sub>NO<sub>3</sub> : Br

**Molecular Weight** : 352.45 : 79.1



### Analytical Information

**Batch No.** : AH/CLIB/0924/002

**Description** : Off White Solid

**HPLC Purity** : 99.91 %

**Weight Loss By TGA** : 0.16 %

**% Potency** : 99.75 %

**Solubility** : Water

**Mass** : Confirm

**IR** : Confirm

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

**<sup>13</sup>C 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 - 0.16(Weight Loss By TGA)] x [99.91(HPLC Purity)]/100 = 99.75 %

**Recommendation** : Released

	Department	Name	Signature	Date
<b>Prepared By</b>	Analytical	Jignesh Patel		14/11/2024
<b>Reviewed &amp; Approved By</b>	Quality Control	Jatin Patel		14/11/2024

**Attachments** : COA, HPLC, MASS, <sup>1</sup>H NMR, <sup>13</sup>C NMR, IR and TGA