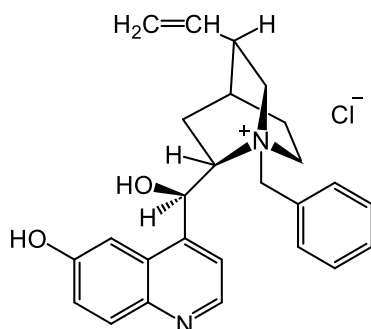


# N-Benzylcupreinium Chloride

## Buchler specification

### STRUCTURE



### SYNONYMS

(8 $\alpha$ ,9R)-6',9-dihydroxy-1-(phenylmethyl)-Cinchonanium chloride (1:1)  
Cinchonanium, 6',9-dihydroxy-1-(phenylmethyl)-, chloride (1:1), (8 $\alpha$ ,9R)  
(1S,2S,4S,5R)-1-benzyl-2-((R)-hydroxy(6-hydroxyquinolin-4-yl)methyl)-5-vinyl-quinuclidin-1-ium chloride

### APPEARANCE

White to beige crystalline powder

### CHEMICAL DATA

Formula C<sub>26</sub>H<sub>29</sub>ClN<sub>2</sub>O<sub>2</sub>  
CAS Number 2023817-94-7

### STORAGE

Store in the original packaging to protect from light. No specific temperature requirements.

### ORIGIN

Product is made in the European Union.

### VERSION / VALID FROM

01 / 31.08.2023

### PARAMETER

### LIMIT

Identification by HPLC	passes
Water content (Karl Fischer)	≤ 5.0 %
Specific optical rotation (on dry basis, c = 1.0 in H <sub>2</sub> O, [α] <sup>20</sup> <sub>D</sub> )	- 312° to - 324°
Chemical purity (HPLC Area%)	
N-Benzylcupreinium	≥ 95.0 %
N-Benzylidihydrocupreinium	≥ 5.0 %
Any other impurity	≥ 1.5 %
Assay (on dry basis)	≥ 98.0 %