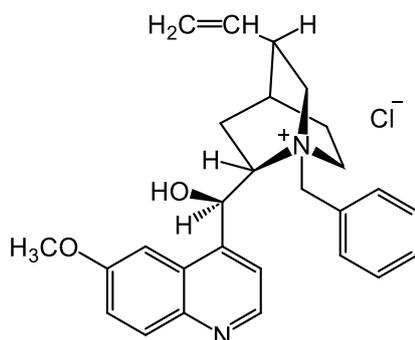


# N-Benzylquininium Chloride

## Buchler specification

### STRUCTURE



### SYNONYMS

QUIBEC; Cinchonanium, 9-hydroxy-6'-methoxy-1-(phenylmethyl)-,chloride, (8 $\alpha$ ,9R); 1-benzylquininium chloride; (8 $\alpha$ ,9R)-1-Benzyl-9-hydroxy-6'-methoxycinchonan-1-ium chloride; (8 $\alpha$ ,9R)-1-benzyl-6'-methoxycinchonan-1-ium-9-ol chloride; (8S,9R)-NBenzylquininium chloride

### APPEARANCE

Slightly yellow to brownish crystalline powder, often in clusters

### CHEMICAL DATA

Formula  $C_{27}H_{31}ClN_2O_2$   
CAS Number 67174-25-8

### 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 / 27.02.2023

### PARAMETER

### LIMIT

Identification by HPLC	passes
Water content (Karl Fischer)	$\leq 5.0 \%$
Specific optical rotation (on dry basis, $c = 1.0$ in $H_2O$ , $[\alpha]^{20}_D$ )	$- 248^\circ$ to $- 236^\circ$
Chemical purity (HPLC Area%)	
N-Benzylquininium	$\geq 95.0 \%$
N-Benzylidihydroquininium	$\geq 5.0 \%$
Any other impurity	$\geq 1.5 \%$
Assay (on dry basis)	$\geq 98.0 \%$