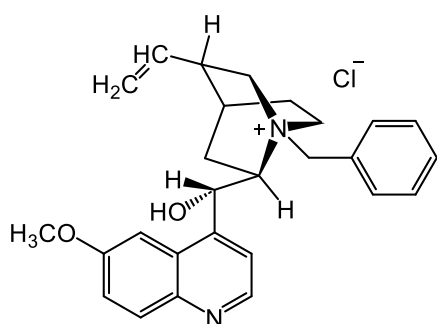


N-Benzylquinidinium Chloride

Buchler specification

STRUCTURE



SYNONYMS

Cinchonan-1-ium, 9-hydroxy-6'-methoxy-1-(phenylmethyl)-, chloride, (8β,9S)
1-Benzyl-9-hydroxy-6'-methoxycinchonan-1-ium chloride
(8β,9S)-1-benzyl-6'-methoxycinchonan-1-ium-9-ol chloride
(8R,9S)-N-Benzylquinidinium chloride

APPEARANCE

White to yellow crystalline powder

CHEMICAL DATA

Formula $C_{27}H_{31}ClN_2O_2$
CAS Number 77481-82-4

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 / 04.09.2023

PARAMETER

LIMIT

| | |
|--|----------------|
| Identification by HPLC | passes |
| Water content (Karl Fischer) | ≤ 5.0 % |
| Specific optical rotation (on dry basis, c = 1.0 in H ₂ O, [α] ²⁰ _D) | 208 ° to 220 ° |
| Chemical purity (HPLC Area%) | |
| N-Benzylquinidinium | ≥ 95.0 % |
| N-Benzylidihydroquinidinium | ≥ 5.0 % |
| Any other impurity | ≥ 1.5 % |
| Assay (on dry basis) | ≥ 98.0 % |