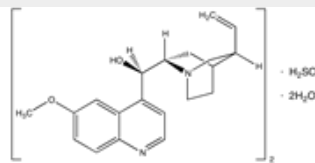


Identification

$(C_{20}H_{24}N_2O_2)_2 \cdot H_2SO_4 \cdot 2H_2O$
 M = 782,94 g/mol
 CAS [6119-70-6]
 EC number: 212-359-2
 Taric code: 2939 21 00


Synonyms

Quinamm, Quine, Quinate, Quinsam

Applications

in the pharmaceuticals industry, bactericide, antiseptic, in food industry, in pharma industry.

Specifications

| | | | |
|--|-------------------|--|-------------|
| assay (titration with $HClO_4$, on dried sample) | 99,0 - 101,0 % | specific rotation ($[\alpha]_{20}^D$, c = 2, HCl 0,1 M, on dried sample) | - |
| Identification TLC..... | passes test | 237 ° - - 245 ° | |
| Identification B (EP)..... | passes test | chloroform-alcohol-insoluble substances..... | max. 0,1 % |
| Identification C (EP) / A (USP)..... | passes test | limit of dihydroquinine sulfate..... | max. 10,0 % |
| Identification sulfates..... | passes test | organic impurities passes test | |
| Identification B (USP)..... | passes test | other cinchona alkaloids..... | |
| appearance of solution..... | passes test | dihydroquinine..... | max. 10 % |
| pH (1 %, H_2O)..... | 5,7 - 6,6 | any impurity eluted before quinine..... | max. 5 % |
| specific rotation ($[\alpha]_{25}^D$, c = 2, HCl 0,1 M)..... | - 235 ° - - 245 ° | any other impurities..... | max. 2,5 % |
| | | residue on ignition..... | max. 0,1 % |
| | | loss on drying (105 °C)..... | 3,0 - 5,0 |

Physical data

- Solub. in water: (20 °C): ~ 1,2 g/l
- Melting point: 233 - 235 °C
- pH(sat. sol. H_2O , 20 °C) 6,2

Safety - GHS

Signal Word: Warning

Hazard Statements:

- H302: Harmful if swallowed.
- H312: Harmful in contact with skin.
- H332: Harmful if inhaled.


Precautionary Statements:

- P261: Avoid breathing dust / fume / gas / mist / vapours / spray.
- P280: Wear protective gloves / protective clothing / eye protection / face protection.
- P321: Specific treatment (see on this label).
- P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- 10°C - 30°C