

Quinine sulfate dihydrate, Pharmapur®, Ph Eur, BP, USP

Identification

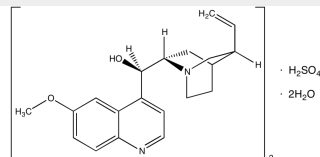
$(C_{20}H_{24}N_2O_2)_2 \cdot H_2SO_4 \cdot 2H_2O$

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 %

Identification TLC..... passes test

Identification B (EP)..... passes test

Identification C (EP) / A (USP)..... passes test

Identification sulfates..... passes test

Identification B (USP)..... passes test

appearance of solution..... passes test

pH (1 %, H_2O)..... 5,7 - 6,6

specific rotation ($[a]_{25/D}$, c = 2, HCl 0,1 M)..... - 235 ° - - 245 °

specific rotation ($[a]_{20} /D$, c = 2, HCl 0,1 M, on dried sample) -

237 ° - - 245 °

chloroform-alcohol-insoluble substances..... max. 0,1 %

limit of dihydroquinine sulfate..... max. 10,0 %

organic impurities passes test

other cinchona alkaloids.....

dihydroquinine..... max. 10 %

any impurity eluted before quinine..... max. 5 %

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