

Product Data Sheet

Product Name: Hydroquinine

Cat. No.: GC36273

Chemical Properties

Cas. No. 522-66-7

SMILES O[C@H](C1=C2C=C(C=CC2=NC=C1)OC)[C@H]3N4CC[C@@]([H])(C3)[C@@H](CC)C4

Formula $C_{20}H_{26}N_2O_2$ M.Wt 326.43

Solubility DMSO : 65mg/mL Storage 4°C, protect from light, stored under nitrogen

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

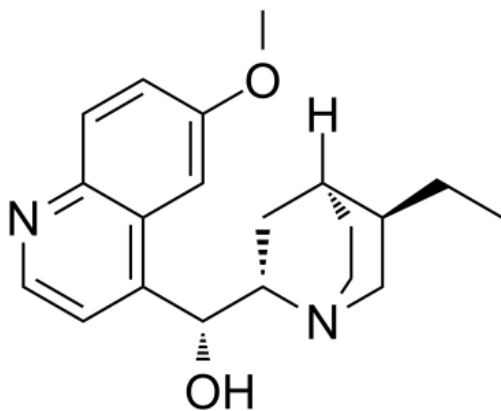
Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Structure



Background

Hydroquinone is an inhibitor of melanin synthesis, serves as a skin whitener and is usually available in cosmetics or on prescription[1]. Hydroquinone can be used in the preparation of oxidized light-emitting materials such as lucigenin by inducing the production of hydrogen peroxide in the presence of basic compounds. Hydroquinone (HQ) is the most abundant quinone present in cigarette tar; it can enter the circulation via the lungs and can interact with cellular targets throughout the body, hepatotoxic and nephrotoxic properties have been reported[1].

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA