

Product Data Sheet

Product Name: Quinidine N-oxide

Cat. No.: GC44799

Chemical Properties

Cas. No. 70116-00-6

SMILES O[C@@H](C1=CC=NC2=CC=C(OC)C=C12)[C@](C[C@H]3[C@@H](C=C)C4)([H])[N]4(CC3)=O

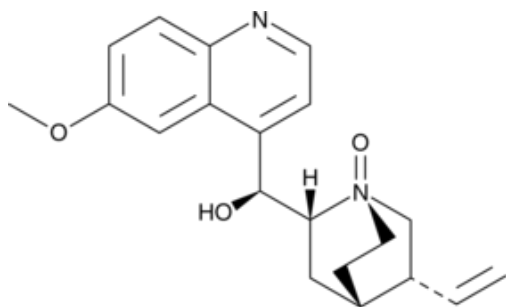
Formula C₂₀H₂₄N₂O₃ M.Wt 340.4

Solubility Soluble in DMSO Storage Store at -20°C

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.

Structure



Background

Quinidine N-oxide is a pharmacologically inactive quinidine metabolite. Quinidine, an antiarrhythmic agent, undergoes rapid first-pass metabolism by the cytochrome P450 isoforms CYP3A4, CYP2C9, and CYP2E1, with CYP3A4 being the most active enzyme in quinidine N-oxide formation.

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