

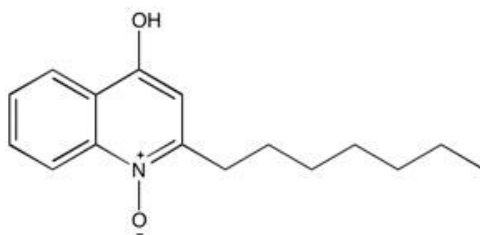
Catalog # 10-1444

HQNO

CAS# 341-88-8

2-n-Heptyl-4-hydroxyquinoline N-oxide

Lot # X101510



Naturally occurring antagonist of dihydrostreptomycin. Potent inhibitor of the respiratory chain binding to the mitochondrial cytochrome b protein. Inhibits NADH oxidase (NADH) and Na⁺-dependent NADH-quinone reductase (NQR).

- 1) Nakayama *et al.* (1999), *Inhibitor studies of a new antibiotic, korormicin, 2-n-heptyl-4-hydroxyquinoline N-oxide and Ag⁺ toward the Na⁺-translocating NADH-quinone reductase from the marine Vibrio alginolyticus*; Biol. Pharm. Bull., **22** 1064

PHYSICAL DATA

Molecular Weight:	259.25
Molecular Formula:	C ₁₆ H ₂₁ NO ₂
Purity:	99% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (up to 8 mg/ml with warming) or Ethanol (up to 13 mg/ml with warming)
Physical Description:	Off-white solid
Storage and Stability:	Store as supplied desiccated at -20°C for up to 2 years from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 months.

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