5-Nitroso-8-quinolinol

ALTERNATE NAMES: 5-Nitroso-8-hydroxyquinoline, 5-Nitrosoquinolin-8-ol, 5-Nitroso-8-cinnolinol, 5-Nitrosoxine, 8-Hydroxy-5-nitrosoquinoline, (5Z)-5-hydroxyiminio-quinolin-8-one, (5Z)-5,8-quinolinedione 5-oxime, NSC 3852

CATALOG #: B2825-5 5 mg  
                   B2825-25 25 mg

STRUCTURE:

MOLECULAR FORMULA: C₉H₆N₂O₂

MOLECULAR WEIGHT: 174.16

CAS NUMBER: 3565-26-2

APPEARANCE: Crystalline solid

PURITY: ≥95%

SOLUBILITY: ~1 mg/ml in DMF  
             ~2 mg/ml in DMSO

DESCRIPTION: 5-Nitroso-8-quinolinol is a quinoline inhibitor of histone deacetylase (HDAC). It inhibits HDAC activity in vitro and causes reactive oxygen species, DNA damage and apoptosis in MCF-7 breast cancer cells at a concentration of 10 μM. It exhibits anticancer activity in mice. It inhibits growth of Toxoplasma gondii with an EC₅₀ of 80 nM.

STORAGE TEMPERATURE: -20ºC

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS: 4-Iodo-SAHA (Cat. No. B2800)  
                   HNHA (Cat. No. B2821)  
                   DiscoveryPak™ HDAC Inhibitor Set (Cat. No. K851)  
                   KD 5170 (Cat. No. B2820)  
                   Abexinostat (Cat. No. B2202)

DISCLAIMER: FOR RESEARCH USE ONLY! Not to be used on humans.