

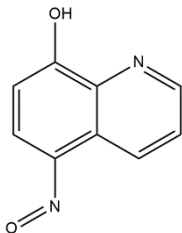
5-Nitroso-8-quinolinol

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ALTERNATE NAMES: 5-Nitroso-8-hydroxyquinoline, 5-Nitrosoquinolin-8-ol, 5-Nitroso-8-cinnolinol, 5-Nitrosooxine, 8-Hydroxy-5-nitrosoquinoline, (5Z)-5-hydroxyimino-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: -20°C

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.**