

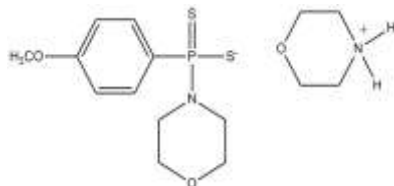
GYG 4137

ALTERNATE NAME: *p*-(Methoxyphenyl)morpholino-phosphinodithioic acid

CATALOG #: 1908-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₁H₁₅NO₂PS₂ · C₄H₁₀NO

MOLECULAR WEIGHT: 376.47

CAS NUMBER: 106740-09-4

APPEARANCE: White solid

SOLUBILITY: DMSO (15 mg/ml) or water (30 mg/ml)

PURITY: ≥95% by HPLC

STORAGE: Store at -20°C

DESCRIPTION: A slow-releasing, water-soluble hydrogen sulfide (H₂S) donor. Displays vasodilator and antihypertensive activity in rats in both acute (L-NAME-induced) or chronic (spontaneously hypertensive) hypertension models. Inhibits LPS-induced release of various proinflammatory mediators (such as IL-1β, IL-6, TNF-α, nitric oxide (NO) and PGE2) in RAW264.7 cells. Increases the synthesis of the anti-inflammatory chemokine IL-10 through NF-κB, ATF-2 and HSP27 dependent pathways in RAW264.7 cells.

REFERENCE: Li, L., *et al.* (2009). *Free Radic. Biol. Med.* **47**, 103-113; Li, L., *et al.* (2008). *Circulation* **117**, 2351-2360.

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

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

RELATED PRODUCTS:

- GSNO (Cat. No. 1580-25, 100)
- Nitric Oxide Colorimetric Assay Kit (Cat. No. K262-200)
- Nitric Oxide Fluorometric Assay Kit (Cat. No. K252-200)