

## GYG 4137

Cat. No. CEI-0717

Lot. No. (See product label)

### Introduction

**Description** A slow-releasing, water-soluble hydrogen sulfide (H<sub>2</sub>) 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-1 $\beta$ , IL-6, TNF- $\alpha$ , nitric oxide (NO) and PGE2) in RAW264.7 cells. Increases the synthesis of the anti-inflammatory chemokine IL-10 through NF- $\kappa$ B, ATF-2 and HSP27 dependent pathways in RAW264.7 cells.

**Synonyms** p-Methoxyphenyl)morpholino-phosphinodithioic acid

### Product Information

**Appearance** White solid

**CAS No.** 106740-09-4

**Molecular Formula** C<sub>11</sub>H<sub>15</sub>NO<sub>2</sub>PS<sub>2</sub> · C<sub>4</sub>H<sub>10</sub>NO

**Chemical Name** p-Methoxyphenyl)morpholino-phosphinodithioic acid

**Molecular Weight** 367.3

**Purity** >99%

**Targets** Proinflammatory mediators

**Solubility** DMSO ( 20 mg/ml)

### Storage and Shipping Information

**Storage** -20 centigrade

**Shipping Conditions** RT