

GYG 4137

Cat. No. CEI-0717

Lot. No. (See product label)

Introduction

Description

A slow-releasing, water-soluble hydrogen sulfide (H₂) 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 β , 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- κ 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

C₁₁H₁₅NO₂PS₂ · C₄H₁₀NO

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