

GY4137, Hydrogen sulfide donor

Catalog	Unit
TBI4507-10MG	10 mg
TBI4507-50MG	50 mg

Product Details

Formal Name: (4-Methoxyphenyl)-morpholin-4-yl-sulfanyl-sulfanylidene-λ5-phosphane morpholine

Alternate Names: Morpholine (4-methoxyphenyl)(morpholino)phosphinodithioate

Molecular Formula: C₁₅H₂₅N₂O₃PS₂

Formula Weight: 376.47

CAS Number: 106740-09-4

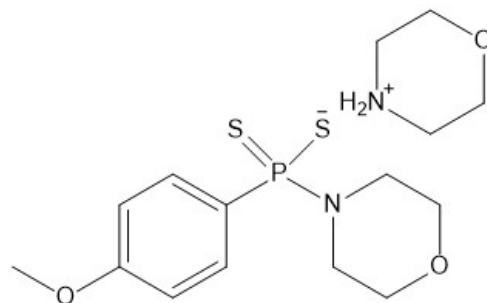
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 25 mg/ml) or in Water (up to 25 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.



Applications

Hydrogen sulfide donor

Functions

Water soluble hydrogen sulfide slow-releasing molecule. Rate of release at pH 7.4 and 37°C was 4.17 ± 0.5 nmol/25 min. Release rate is both pH and temperature dependent. It displays vasodilatory, anti-hypertensive, cardioprotective, anti-inflammatory, and anticancer effects.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml) or in Water (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or distilled water may be stored at -20°C for up to 3 months.

For research use only.