

GY4137

Chemical Properties

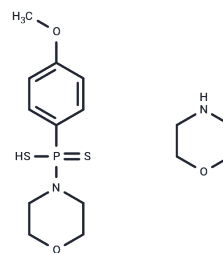
CAS No. : 106740-09-4

Formula: C₁₁H₁₆NO₂PS₂·C₄H₉NO

Molecular Weight: 376.47

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	GY4137 (GY4137 morpholine salt) is a novel water-soluble and slow releasing H ₂ S donor with vasodilator and antihypertensive activity. GY4137 also exhibits anti-inflammatory and anticancer activity.
Targets(IC ₅₀)	Others

Solubility Information

Solubility	DMSO: 50 mg/mL (132.81 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6563 mL	13.2813 mL	26.5625 mL
5 mM	0.5313 mL	2.6563 mL	5.3125 mL
10 mM	0.2656 mL	1.3281 mL	2.6563 mL
50 mM	0.0531 mL	0.2656 mL	0.5313 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Liu M, Zeng C, Zhang Y, et al. Protective role of hydrogen sulfide against diabetic cardiomyopathy by inhibiting pyroptosis and myocardial fibrosis. *Biomedicine & Pharmacotherapy*. 2024, 175: 116613.

Lee ZW, et al. The

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