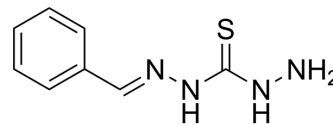


DKI5

Cat. No.:	HY-149922		
CAS No.:	1101130-96-4		
Molecular Formula:	C ₈ H ₁₀ N ₄ S		
Molecular Weight:	194.26		
Target:	LOX-1		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (257.39 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	5.1477 mL	25.7387 mL	51.4774 mL
	5 mM	1.0295 mL	5.1477 mL	10.2955 mL
	10 mM	0.5148 mL	2.5739 mL	5.1477 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

DKI5, also known as (E)-N'-benzylidenehydrazinecarbothiohydrazide, is a LOX-1 inhibitor with an IC₅₀ value of 22.5 μM^[1].

REFERENCES

[1]. Georgiou N, et al. Thiocarbohydrazone and Chalcone-Derived 3, 4-Dihydropyrimidinethione as Lipid Peroxidation and Soybean Lipoxygenase Inhibitors[J]. ACS Omega, 2023.

Caution: Product has not been fully validated for medical applications. For research use only.

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