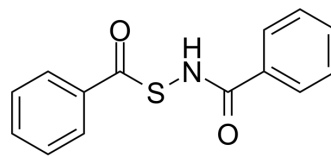


H₂S Donor 5a

Cat. No.:	HY-130347		
CAS No.:	134861-13-5		
Molecular Formula:	C ₁₄ H ₁₁ NO ₂ S		
Molecular Weight:	257.31		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
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 : 100 mg/mL (388.64 mM; Need ultrasonic)				
	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.8864 mL	19.4318 mL	38.8636 mL
	5 mM		0.7773 mL	3.8864 mL	7.7727 mL
	10 mM		0.3886 mL	1.9432 mL	3.8864 mL
	Please refer to the solubility information to select the appropriate solvent.				
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (9.72 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	H ₂ S Donor 5a is a cysteine-activated H ₂ S donor. H ₂ S plays important roles in biological systems. H ₂ S Donor 5a is a useful tool in H ₂ S research ^[1] .
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REFERENCES

[1]. Zhao Y, et al. Cysteine-activated hydrogen sulfide (H₂S) donors. J Am Chem Soc. 2011;133(1):15-17.

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

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