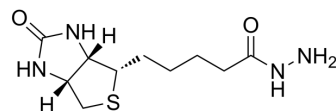


Biotin Hydrazide

Cat. No.:	HY-100215		
CAS No.:	66640-86-6		
Molecular Formula:	C ₁₀ H ₁₈ N ₄ O ₂ S		
Molecular Weight:	258.34		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 6.6 mg/mL (25.55 mM; Need ultrasonic and warming)
 H₂O : 2 mg/mL (7.74 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.8709 mL	19.3543 mL	38.7087 mL
	5 mM	0.7742 mL	3.8709 mL	7.7417 mL
	10 mM	0.3871 mL	1.9354 mL	3.8709 mL

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

In Vivo

- Add each solvent one by one: PBS
Solubility: 2 mg/mL (7.74 mM); Clear solution; Need ultrasonic and warming and heat to 60°C
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 1 mg/mL (3.87 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 1 mg/mL (3.87 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 1 mg/mL (3.87 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Biotin Hydrazide is a carbonyl-reactive biotinylation reagent, which is a carbonyl probe.

In Vitro

Biotin Hydrazide is a biotinylation reagent used to biotinylate glycoproteins and glycolipids^[1].
 MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Methods Mol Biol. 2022;2509:209-231.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Wu J, et al. Two-dimensional gel electrophoretic detection of protein carbonyls derivatized with biotin-hydrazide. J Chromatogr B Analyt Technol Biomed Life Sci. 2016 Apr 15;1019:128-31.

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

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