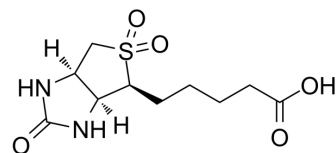


Biotin sulfone

Cat. No.:	HY-113268
CAS No.:	40720-05-6
Molecular Formula:	C ₁₀ H ₁₆ N ₂ O ₅ S
Molecular Weight:	276.31
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (904.78 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.6191 mL	18.0956 mL	36.1912 mL
		5 mM	0.7238 mL	3.6191 mL	7.2382 mL
		10 mM	0.3619 mL	1.8096 mL	3.6191 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (7.53 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (7.53 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (7.53 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Biotin sulfone is first isolated as a natural metabolite of biotin.
IC₅₀ & Target	Human Endogenous Metabolite

REFERENCES

[1]. Collot M, et al. Biotin sulfone as a new tool for synthetic oligosaccharide immobilization: application to multiple analysis profiling and surface plasmonic analysis of

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

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