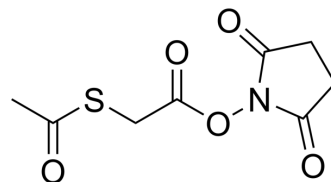


N-Succinimidyl-S-acetylthioacetate

Cat. No.:	HY-135233
CAS No.:	76931-93-6
Molecular Formula:	C ₈ H ₉ NO ₅ S
Molecular Weight:	231.23
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	4°C, stored under nitrogen * The compound is unstable in solutions, freshly prepared is recommended.



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (432.47 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	4.3247 mL	21.6235 mL	43.2470 mL
		5 mM	0.8649 mL	4.3247 mL	8.6494 mL
	10 mM	0.4325 mL	2.1623 mL	4.3247 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (10.81 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (10.81 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (10.81 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	N-Succinimidyl S-acetylthioacetate (SATA), a protein modification agent, introduces thiol-groups into protein molecules. N-Succinimidyl S-acetylthioacetate adds sulfhydryl groups to proteins and other amine-containing molecules in a protected form ^{[1][2]} .
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REFERENCES

[1]. J.L.M.Heeremans, et al. Interference of α-amino-caproic acid with [N-succinimidyl S-acetylthioacetate derived] thiol-introduction into glu-plasminogen. Volume 8, Supplement 2, 1994, Pages 138-141.

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

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