## Octenyl succinic anhydride

Cat. No.:	HY-145942		
CAS No.:	26680-54-6		
Molecular Formula:	$C_{12}H_{18}O_3$		
Molecular Weight:	210.27		
Target:	Biochemica	al Assay R	leagents
Pathway:	Others		
Storage:	Pure form	-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 (475.58 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Mass Concentration	1 mg	5 mg	10 mg		
		1 mM	4.7558 mL	23.7789 mL	47.5579 mL		
		5 mM	0.9512 mL	4.7558 mL	9.5116 mL		
		10 mM	0.4756 mL	2.3779 mL	4.7558 mL		
	Please refer to the solubility information to select the appropriate solvent.						
In Vivo	<ol> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline Solubility: ≥ 2.5 mg/mL (11.89 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (11.89 mM); Clear solution</li> </ol>						

DIOLOGICAL ACTIV	
Description	Octenyl succinic anhydride can be used to esterify Starch to yield a hydrocolloid with amphiphilic properties, octenyl succinylated starch (OS-starch). Octenyl succinic anhydride (OSA) modification affects interaction between molecules of the outer surfaces of two starch granules by altering molecular structures on the outer surfaces <sup>[1]</sup> .

## REFERENCES

[1]. Wei Gao, et al. Synthetic mechanism of octenyl succinic anhydride modified corn starch based on shells separation pretreatment. Int J Biol Macromol. 2021 Mar 1;172:483-489.

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Inhibitors

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Screening Libraries •



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

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