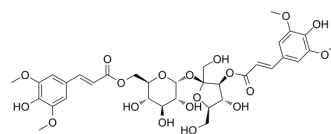


## (E)-3',6-Disinapoylsucrose

Cat. No.:	HY-N1414
CAS No.:	139891-98-8
Molecular Formula:	C <sub>34</sub> H <sub>42</sub> O <sub>19</sub>
Molecular Weight:	754.69
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (66.25 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration	1 mg	5 mg	10 mg
		1 mM	1.3250 mL	6.6252 mL	13.2505 mL
		5 mM	0.2650 mL	1.3250 mL	2.6501 mL
		10 mM	0.1325 mL	0.6625 mL	1.3250 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (3.31 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (3.31 mM); Clear solution				

### BIOLOGICAL ACTIVITY

Description	(E)-3',6-Disinapoylsucrose, the index component of Yuanzhi ( <i>Polygala tenuifolia</i> Willd), possesses potent antioxidant activity and antidepressant effect <sup>[1][2]</sup> .
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### REFERENCES

- [1]. Tian Y, et al. Naturally Occurring Cinnamic Acid Sugar Ester Derivatives. *Molecules*. 2016 Oct 24;21(10).
- [2]. Shi Q, et al. Indirect identification of antioxidants in *Polygalae Radix* through their reaction with 2,2-diphenyl-1-picrylhydrazyl and subsequent HPLC-ESI-Q-TOF-MS/MS. *Talanta*. 2015 Nov 1;144:830-5.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA