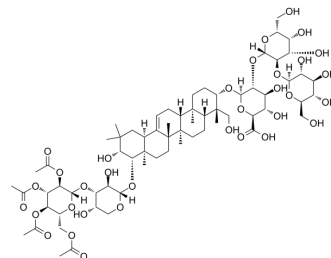


## Soyasaponin Ab

<b>Cat. No.:</b>	HY-N3026
<b>CAS No.:</b>	118194-13-1
<b>Molecular Formula:</b>	C <sub>67</sub> H <sub>104</sub> O <sub>33</sub>
<b>Molecular Weight:</b>	1437.52
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Storage:</b>	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (69.56 mM; Need ultrasonic)					
	<b>Preparing Stock Solutions</b>	<b>Solvent Concentration</b>	<b>Mass</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
		<b>1 mM</b>		0.6956 mL	3.4782 mL	6.9564 mL
		<b>5 mM</b>		0.1391 mL	0.6956 mL	1.3913 mL
		<b>10 mM</b>		0.0696 mL	0.3478 mL	0.6956 mL
Please refer to the solubility information to select the appropriate solvent.						
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (1.74 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (1.74 mM); Clear solution 3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (1.74 mM); Clear solution					

### BIOLOGICAL ACTIVITY

<b>Description</b>	Soyasaponin Ab is a soyasaponin that exerts an anti-obesity effect in 3T3-L1 adipocytes through downregulation of peroxisome proliferator-activated receptor $\gamma$ (PPAR $\gamma$ ) <sup>[1]</sup> .
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### REFERENCES

[1]. Yang SH, et al. Soyasaponins Aa and Ab exert an anti-obesity effect in 3T3-L1 adipocytes through downregulation of PPAR $\gamma$ . *Phytother Res.* 2015 Feb;29(2):281-7.

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

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