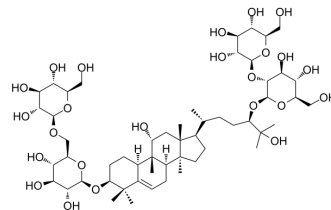


## Mogroside IV

<b>Cat. No.:</b>	HY-N6945
<b>CAS No.:</b>	89590-95-4
<b>Molecular Formula:</b>	C <sub>54</sub> H <sub>92</sub> O <sub>24</sub>
<b>Molecular Weight:</b>	1125.29
<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 (88.87 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>		0.8887 mL	4.4433 mL	8.8866 mL
		<b>5 mM</b>		0.1777 mL	0.8887 mL	1.7773 mL
		<b>10 mM</b>		0.0889 mL	0.4443 mL	0.8887 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 (2.22 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (2.22 mM); Clear solution 3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (2.22 mM); Clear solution					

### BIOLOGICAL ACTIVITY

<b>Description</b>	Mogroside IV, a triterpenoid glycoside isolated from the extracts of Luo Han Guo, is a nonsugar sweetener. Mogrosides are sweeter than sucrose. Mogrosides exhibit antioxidant, antidiabetic and anticancer activities <sup>[1]</sup> .
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### REFERENCES

[1]. Qi XY, et al. Mogrosides extract from *Siraitia grosvenori* scavenges free radicals in vitro and lowers oxidative stress, serum glucose, and lipid levels in alloxan-induced diabetic mice. *Nutr Res.* 2008 Apr;28(4):278-84.

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

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