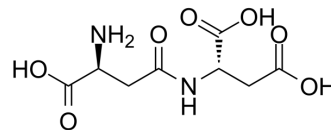


## β-Aspartylaspartic acid

<b>Cat. No.:</b>	HY-131108		
<b>CAS No.:</b>	60079-22-3		
<b>Molecular Formula:</b>	C <sub>8</sub> H <sub>12</sub> N <sub>2</sub> O <sub>7</sub>		
<b>Molecular Weight:</b>	248.19		
<b>Target:</b>	Others		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Powder	-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 (402.92 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	4.0292 mL	20.1459 mL	40.2917 mL
5 mM	0.8058 mL	4.0292 mL	8.0583 mL
10 mM	0.4029 mL	2.0146 mL	4.0292 mL

Please refer to the solubility information to select the appropriate solvent.

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.5 mg/mL (10.07 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (10.07 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (10.07 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

β-Aspartylaspartic acid is a natural compound found in Asparagus (*Asparagus officinalis*) Shoots<sup>[1]</sup>.

### REFERENCES

[1]. Takanori Kasai, et al. Aspartyl and Glutamyl Peptides and the Acidic Cysteine Derivatives in Asparagus (*Asparagus officinalis*) Shoots. Journal Agricultural and Biological

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

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