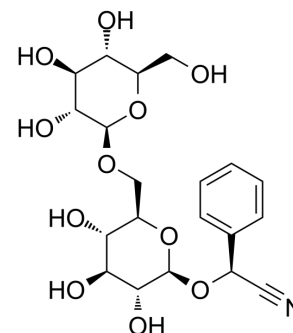


## Neomygdalin

<b>Cat. No.:</b>	HY-121376
<b>CAS No.:</b>	29883-16-7
<b>Molecular Formula:</b>	C <sub>20</sub> H <sub>27</sub> NO <sub>11</sub>
<b>Molecular Weight:</b>	457.43
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Storage:</b>	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (218.61 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.1861 mL	10.9306 mL	21.8613 mL
	5 mM	0.4372 mL	2.1861 mL	4.3723 mL
	10 mM	0.2186 mL	1.0931 mL	2.1861 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 (5.47 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (5.47 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (5.47 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Neomygdalin is a compound identified in the different processed bitter almonds. Neomygdalin has the potential for the research of cough and asthma<sup>[1]</sup>.

### REFERENCES

- [1]. Xu S, et al. Identification and Analysis of Amygdalin, Neomygdalin and Amygdalin Amide in Different Processed Bitter Almonds by HPLC-ESI-MS/MS and HPLC-DAD.

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

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