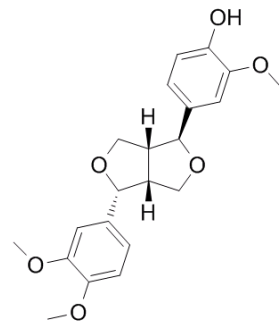


## Data Sheet

<b>Product Name:</b>	Phillygenin
<b>Cat. No.:</b>	HY-N0483
<b>CAS No.:</b>	487-39-8
<b>Molecular Formula:</b>	C <sub>21</sub> H <sub>24</sub> O <sub>6</sub>
<b>Molecular Weight:</b>	372.41
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Solubility:</b>	10 mM in DMSO



### BIOLOGICAL ACTIVITY:

Phillygenin is an active ingredient from Forsythia with many medicinal properties, such as antioxidant, reducing blood lipid, inhibition of low density lipoprotein oxidation.

In vitro : 1) Phillygenin shows a greater inhibition on mouse B16 melanoma cells potential than vincristine.

2) phillygenin had notable scavenging activity against DPPH, ABTS radicals, as well as potent reducing power in FRAP assay.

In vivo: The reference for rat is 5.6 mg/m l ( i.v).

### References:

[1]. Ye LH et al. Determination of phillygenin in rat plasma by high-performance liquid chromatography and its application to pharmacokinetic studies. Eur J Drug Metab Pharmacokinet, 2013 Sep, 38(3):201-7.

[2]. Song W et al. Interaction between phillygenin and human serum albumin based on spectroscopic and molecular docking. Spectrochim Acta A Mol Biomol Spectrosc, 2012 Jan, 85(1):120-6.

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

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