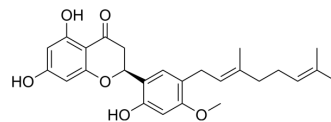


## Kuwanon U

<b>Cat. No.:</b>	HY-N12581
<b>CAS No.:</b>	123702-95-4
<b>Molecular Formula:</b>	C <sub>26</sub> H <sub>30</sub> O <sub>6</sub>
<b>Molecular Weight:</b>	438.51
<b>Target:</b>	Cholinesterase (ChE)
<b>Pathway:</b>	Neuronal Signaling
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Kuwanon U is a potent cholinesterase inhibitor with IC <sub>50</sub> s of 19.69, 10.11 μM and K <sub>i</sub> s of 6.48, 9.59 μM for acetylcholinesterase (AChE) and butyrylcholinesterase (BChE), respectively. Kuwanon U has the potential for the research of Alzheimer's disease (AD) <sup>[1]</sup> .			
<b>IC<sub>50</sub> &amp; Target</b>	AChE 19.69 μM (IC <sub>50</sub> )	AChE 6.48 μM (IC <sub>50</sub> )	BChE 10.11 μM (K <sub>i</sub> )	BChE 9.59 μM (K <sub>i</sub> )

### REFERENCES

[1]. Kim JY, et al. Isolation of cholinesterase-inhibiting flavonoids from Morus lhou. J Agric Food Chem. 2011 May 11;59(9):4589-96.

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

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