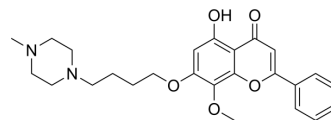


## LYG-202

Cat. No.:	HY-115436		
CAS No.:	1175077-25-4		
Molecular Formula:	C <sub>25</sub> H <sub>30</sub> N <sub>2</sub> O <sub>5</sub>		
Molecular Weight:	438.52		
Target:	Apoptosis		
Pathway:	Apoptosis		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



## SOLVENT & SOLUBILITY

### In Vitro

DMSO : 5 mg/mL (11.40 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.2804 mL	11.4020 mL	22.8040 mL
	5 mM	0.4561 mL	2.2804 mL	4.5608 mL
	10 mM	0.2280 mL	1.1402 mL	2.2804 mL

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

## BIOLOGICAL ACTIVITY

### Description

LYG-202, a flavonoid, has potent anti-angiogenic and antitumor activity. LYG-202 inhibits VEGF-stimulated HUVEC migration and tube formation. LYG-202 induces cancer cell apoptosis<sup>[1][2]</sup>.

## REFERENCES

- [1]. Chen Y, et al. LYG-202, a newly synthesized flavonoid, exhibits potent anti-angiogenic activity in vitro and in vivo. *J Pharmacol Sci.* 2010;112(1):37-45.
- [2]. Zhao Y, et al. LYG-202 exerts antitumor effect on PI3K/Akt signaling pathway in human breast cancer cells. *Apoptosis.* 2015 Sep;20(9):1253-69.

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

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