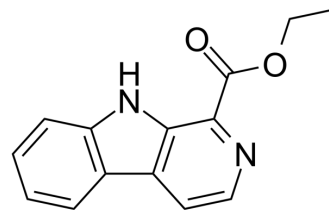


## Kumujian A

<b>Cat. No.:</b>	HY-N10450
<b>CAS No.:</b>	72755-19-2
<b>Molecular Formula:</b>	C <sub>14</sub> H <sub>12</sub> N <sub>2</sub> O <sub>2</sub>
<b>Molecular Weight:</b>	240.26
<b>Target:</b>	Reactive Oxygen Species
<b>Pathway:</b>	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
<b>Storage:</b>	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (416.22 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	4.1622 mL	20.8108 mL	41.6216 mL
	5 mM	0.8324 mL	4.1622 mL	8.3243 mL
	10 mM	0.4162 mL	2.0811 mL	4.1622 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Kumujian A (1-Ethoxycarbonyl-β-carboline), an anti-inflammatory agent, inhibits both superoxide anion generation (IC<sub>50</sub> = 4.87 μg/mL) and elastase release (IC<sub>50</sub> = 6.29 μg/mL)<sup>[1]</sup>.

### REFERENCES

[1]. Fang HW, et al. Total synthesis of cordatanine, structural reassignment of drymaritin, and anti-inflammatory activity of synthetic precursors. *Bioorg Med Chem Lett*. 2015 Sep 15;25(18):3822-4.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA