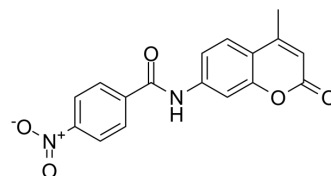


## Anti-inflammatory agent 34

Cat. No.:	HY-148456		
CAS No.:	867301-81-3		
Molecular Formula:	C <sub>17</sub> H <sub>12</sub> N <sub>2</sub> O <sub>5</sub>		
Molecular Weight:	324.29		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMF : 1.85 mg/mL (5.70 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.0837 mL	15.4183 mL	30.8366 mL
	5 mM	0.6167 mL	3.0837 mL	6.1673 mL
	10 mM	---	---	---

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

### BIOLOGICAL ACTIVITY

#### Description

Anti-inflammatory agent 34 (Compound IVf) is an orally active anti-inflammatory and analgesic agent<sup>[1]</sup>.

#### In Vivo

Anti-inflammatory agent 34 (Compound IVf) (200mg/kg; p.o.; single dose) shows inhibitory activity on carrageenan induced rat paw edema, and shows analgesic activity in mice<sup>[1]</sup>.

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Animal Model:	Male albino rats, carrageenan-induced rat paw edema assay model <sup>[1]</sup>
Dosage:	200 mg/kg
Administration:	Oral, single dose
Result:	Showed 55.7 ± 0.019% inhibition on carrageenan induced rat paw edema at the 3 <sup>rd</sup> h.
Animal Model:	Albino mice, acetic acid induced writhing method <sup>[1]</sup>

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Dosage:	200 mg/kg
Administration:	Oral, single dose
Result:	Showed 48.1% analgesic activity.

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## REFERENCES

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[1]. Ronad PM, et al. Synthesis and evaluation of anti-inflammatory and analgesic activities of a novel series of substituted-N-(4-methyl-2-oxo-2H-chromen-7-yl) benzamides. *Arzneimittelforschung*. 2008;58(12):641-6.

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

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