
Product Data Sheet

Product Name: Anti-inflammatory agent 34

Cat. No.: GC67704

Chemical Properties

Cas. No. 867301-81-3

Formula $C_{17}H_{12}N_2O_5$

M.Wt 324.29

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

Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

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

Anti-inflammatory agent 34 (Compound IVf) (200mg/kg; p.o.; single dose)
^[1]

Animal Model: Male albino rats, carrageenan-induced rat paw edema assay mode^[1]

Dosage: 200 mg/kg

Administration: Oral, single dose

Result: Showed $55.7 \pm 0.019\%$ inhibition on carrageenan induced rat paw edema at the 3rd h.

Animal Model: Albino mice, acetic acid induced writhing method^[1]

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

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Dosage: 200 mg/kg

Administration: Oral, single dose

Result: Showed 48.1% analgesic activity.

[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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