

Anti-inflammatory agent 64

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Anti-inflammatory agent 64 (compound 4b) demonstrates antioxidant and anti-inflammatory properties, effectively inhibiting IL-6 and TNF- α secretion and reducing paw edema [1] in both in vitro and in vivo studies.
Targets(IC50)	Interleukin,ROS Kinase
In vitro	Anti-inflammatory agent 64, at a concentration of 2 μ M with 4 hours of incubation, markedly protects and promotes cell proliferation in RAW264.7 cells pre-stimulated with H ₂ O ₂ (0.4 mM) [1].
In vivo	Anti-inflammatory agent 64, when administered as a single dose ranging from 1-30 mg/kg via intraperitoneal injection or oral gavage, demonstrates anti-inflammatory and antioxidant activity in a mouse model of carrageenan (Cg)-induced paw edema [1].

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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