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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC Handels GmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Kuwanon E

Chemical Properties

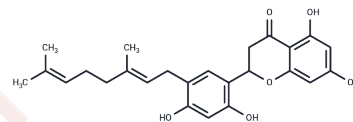
CAS No. : 68401-05-8

Formula: C₂₅H₂₈O₆

Molecular Weight: 424.49

Appearance: no data available

Storage: store at low temperature, keep away from direct sunlight
 Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Kuwanon E, a flavonoid obtained from <i>Morus alba</i> , has potential anti-inflammatory activity, inhibits TNF- α and IL-1 β secretion, and suppresses NF- κ B nuclear translocation in LPS-stimulated macrophages.
Targets(IC50)	IL Receptor, TNF
In vitro	METHODS: THP-1 cells were exposed to different concentrations of Kuwanon E (1, 2.5, 5, 10, 20, and 50 μ M) for 24 hours, stained for activity, and counted using a hemocytometer. RESULTS: The LD50 value of Kuwanon E was greater than 50 μ M and inhibited the proliferation of THP-1 cells. [1]

Solubility Information

Solubility	DMSO: 30 mg/mL (70.67 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3558 mL	11.7788 mL	23.5577 mL
5 mM	0.4712 mL	2.3558 mL	4.7115 mL
10 mM	0.2356 mL	1.1779 mL	2.3558 mL
50 mM	0.0471 mL	0.2356 mL	0.4712 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Kollar P, et al. Cause Inhibition of G1/S Transition in THP-1 Human Leukemia Cells and Prevent the Lipopolysaccharide-Induced Inflammatory Response. *Evid Based Complement Alternat Med.* 2013;2013:350519.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481