Overview

Product name: Xanthomegnin

Description: Potent iNOS inhibitor

Biological description: Potent iNOS inhibitor (IC$_{50}$ = 5.5 μM). Shows potent uncoupling effects on mitochondrial oxidative phosphorylation. Stimulates latent ATPase activity.

Purity: > 97%

Properties

Chemical name: 10-Hydroxy-8-(10-hydroxy-7-methoxy-3-methyl-1,6,9-trioxo-3,4-dihydrobenzo[g]isochromen-8-yl)-7-methoxy-3-methyl-3,4-dihydrobenzo[g]isochromene-1,6,9-trione

Molecular weight: 574.49

Chemical structure:

![Chemical structure of Xanthomegnin](image)

Molecular formula: C$_{30}$H$_{22}$O$_{12}$

CAS Number: 1685-91-2

PubChem identifier: 15519

Storage instructions: Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.

Solubility overview: Soluble in DMSO

Handling: Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

SMILES: CC1CC2=C(C=C3C(=C2)C(=O)C(=C(C3=O)C4=CC=C(C(=O)C5=C(C=C5C4=O)O)C(=O)OC(=C(C6)C(=C(=O)O)OC)OC)O)=O1

Source: *Penicillium citreo-viride*
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