

Product datasheet

Icaritin, Antiproliferative agent ab143645

1 Image

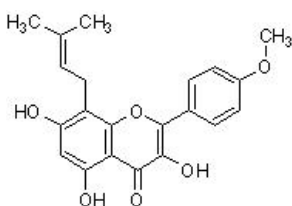
Overview

Product name	Icaritin, Antiproliferative agent
Description	Antiproliferative agent
Biological description	Antiproliferative agent (IC ₅₀ values are 8,13 and 18 μM for K562, CML-CP and CML-BC cells respectively). Inhibits H/R-induced PTK activation. Induces G(2)/M cell cycle arrest and mitochondrial transmembrane potential drop. Modulates MAPK/ERK/JNK and JAK2/STAT3 /AKT signaling. Inhibits PPAR-g. Modulates differentiation. Inhibits cytochrome P450 <i>in vivo</i> . Orally active.

Purity > 98%

CAS Number 118525-40-9

Chemical structure



Properties

Chemical name	3,5,7-trihydroxy-2-(4-methoxyphenyl)-8-(3-methylbut-2-enyl)chromen-4-one
Molecular weight	368.38
Molecular formula	C ₂₁ H ₂₀ O ₆
PubChem identifier	5318980
Storage instructions	Store at +4°C. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO to 10 mM (with warming)
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.

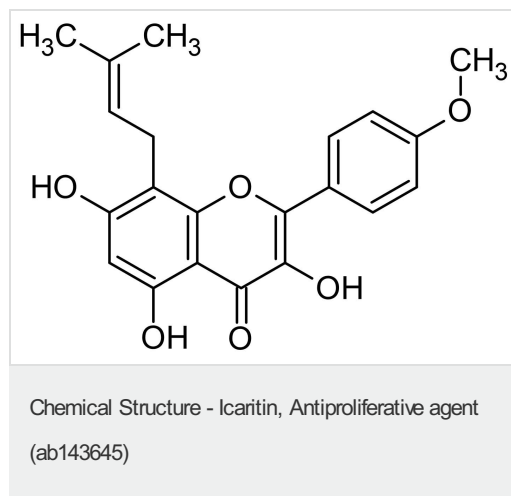
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Source

Synthetic

Images



2D chemical structure image of ab143645, Icaritin, Antiproliferative agent

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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