Ferutinin (high purity)

Estrogen receptor α activator

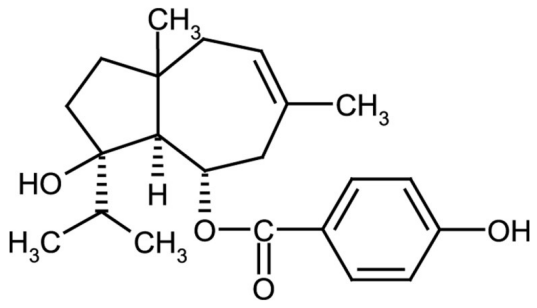
Potent, naturally occuring non-steroid estrogenic compound. Agonist for estrogen receptor (ER) α and agonist/antagonist for ERβ with higher binding affinity than tamoxifen (Prod. No. ALX-550-095) for both ERs. Electrogenic Ca^{2+} ionophore inducing mitochondrial depolarisation which can be completely blocked by cyclosporin A (Prod. No. BML-A195), suggesting that ferutinin opens the mitochondrial permeability transition pore (mPTP). In a concentration range of 1-50µM ferutinin increases the permeability of thymocytes, mitochondria, sarcoplasmic reticulum, liposomes and bilayer lipid membranes for Ca^{2+}.

Citations: 6 View Online »

Ordering Information Order Online »

ALX-350-098-M005	5mg

Manuals, SDS & CofA View Online »


CH3
CH3
HO
H
H3C
CH3
O
C
O
OH

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Long Term Storage	+4°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Appearance	White to off-white solid
CAS	41743-44-6
Couple Target	Estrogen receptor
Couple Type	Activator
Formula	$C_{22}H_{30}O_4$
MW	358.5
Purity	≥98% (HPLC)
Solubility	Soluble in acetone, dichloromethane, DMSO or ethyl acetate.
Source	Semisynthetic.

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