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DATASHEET

Stigmasterol

Product overview

Name	Stigmasterol
Cat No	HB4095
Biological action	Antagonist
Purity	>95%
Description	Phytosterol with anticancer and many other biological actions. Farnesoid X receptor antagonist.

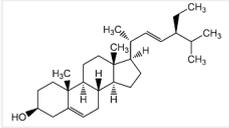
Biological Data

Biological description	Anti-hypercholesterolemic compound. Anti-inflammatory and immune-modulating effects. Anticancer compound. Chemopreventive. Cytostatic. Cell growth inhibitor. Antimutagenic. Potent in vitro antagonist of FXR (farnesoid X receptor). DNA polymerase beta inhibitor. Potent antioxidant, hypoglycemic and thyroid inhibiting agent. Anti-osteoarthritic. Decreases the expression of matrix metalloproteinases. Neuroprotective. Is used as a precursor for synthetic progesterone and vitamin D3 and is an intermediate in the biosynthesis of androgens, estrogens and corticoids.
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Solubility & Handling

Storage instructions	+4 °C
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Molecular Weight	412.7
Chemical structure	
CAS Number	83-48-7
PubChem identifier	0
SMILES	<chem>CC[C@H](/C=C/[C@@H](C)[C@H]1CC[C@H]2[C@@H]3CC=C4C[C@@H](O)CC[C@]4(C)[C@H]3CC[C@]12C)C(C)C</chem>
InChiKey	HCXVJBMSMIARIN-PHZDYDNGSA-N
Appearance	White to off-white solid