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DATASHEET

Stigmasterol

Product overview

Name Stigmasterol HB4095 Cat No **Purity** >95%

Description Phytosterol with anticancer and many other biological actions. Farnesoid X receptor antagonist.

Biological Data

Biological description Anti-hypercholestrolemic 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.

Solubility & Handling

Storage instructions Storage of solutions

+4°C

Prepare and use solutions on the same day if possible. Store solutions at -20°C for up to one month if storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

Shipping Conditions Stable for ambient temperature shipping. Follow storage instructions on receipt.

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 Chemical structure

CAS Number PubChem identifier

SMILES

 $\label{eq:cccomp} {\tt CC[C@H](/C=C/[C@@H](C)[C@H]1CC[C@H]2[C@@H]3CC=C4C[C@@H](O)CC[C@]4(C)[C@H]2[C@H]2[C@@H]3CC=C4C[C@@H](O)CC[C@]4(C)[C@H]2[C@H]2[C@@H]3CC=C4C[C@@H](O)CC[C@]4(C)[C@H]2[C@H]2[C@H]3CC=C4C[C@H]2[C@H]3CC=C4C[CM]3CC=C4C[CM]3CAC=C4C[CM]3CC=C$

3CC[C@]12C)C(C)C

HCXVJBMSMIARIN-PHZDYDNGSA-N InChiKey

Appearance White to off-white solid