Hello Bio, Inc. 304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500 F. 609-228-4994

customercare-usa@m2stage.hellobio.com



DATASHEET

Stigmasterol

Product overview

Name Stigmasterol
Cat No HB4095
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

Important

+4°C

This product is for RESEARCH USE ONLY and is not intended for the rapeutic or diagnostic use. Not

for human or veterinary use.

Chemical Data

Molecular Weight Chemical structure 412.7

CAS Number
PubChem identifier

SMILES

83-48-7 0

 $\texttt{CC[C@H]}(/\texttt{C=C/[C@@H](C)[C@H]1CC[C@H]2[C@@H]3CC=C4C[C@@H](O)CC[C@]4(C)[C@H]2[C@H]2[C@@H]3CC=C4C[C@@H](O)CC[C@]4(C)[C@H]2[C@H]2[C@H]2[C@H]3CC=C4C[C@H]2[C@H]3CC=C4C[CM]3CC=C4C[CM]3CC$

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

InChiKey HCXVJBMSMIARIN-PHZDYDNGSA-N

Appearance White to off-white solid