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DATASHEET

Stigmasterol

Product overview

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

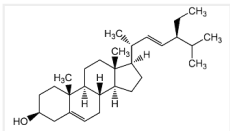
Biological Data

| | |
|-------------------------------|---|
| Biological description | Anti-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

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|-----------------------------|---|
| 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

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|---------------------------|--|
| 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 |