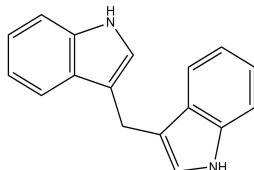


3,3'-Diindolylmethane

ALTERNATE NAME: 3,3'-Methylenediindole; DIM
CATALOG #: 2150-100 100 mg
2150-1000 1 g

STRUCTURE:



MOLECULAR FORMULA: C₁₇H₁₄N₂

MOLECULAR WEIGHT: 246.31

CAS NUMBER: 1968-05-4

APPEARANCE: White to Off-white Solid

Solubility: DMSO (25 mg/ml)

PURITY: ≥98% by HPLC

STORAGE: Store at -20°C. Protect from air and light

DESCRIPTION: Diindolylmethane (DIM) is a natural compound present in food plants of the *Brassica* genus, including broccoli, cabbage, Brussels sprouts, cauliflower and kale. Displays antitumor and proapoptotic properties in animal and in *in vitro* models of cancer. Also acts a selective and potent inhibitor of cancer stem cells, and HDAC activity in prostate cancer cells. Recently, it has been shown that DIM induces apoptosis in ovarian cancer cells by inhibiting JAK2/STAT3.

REFERENCE: Semov, A., *et al.* (2012). *Biochem. Biophys. Res. Commun.* **424**, 45-51.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Betulinic Acid (**Cat. No. 1552-25**)
Bexarotene (**Cat. No. 1575-5, 50**)
Capecitabine (Cat. No. 1741-100, 1000)
Carboplatin (**Cat. No. 1553-100**)
Cisplatin (**Cat. No. 1550-100,1000**)
Daunorubicin.HCl (**1524-10,50,500**)
Doxorubicin HCl (**Cat. No. 1527-5**)
(-)-Epigallocatechin gallate (**Cat. No. 1841-50**)
Fludarabine Phosphate (**Cat. No. 1763-10, 50**)
Gemcitabine Hydrochloride (**Cat. No. 1759-25, 100**)
Genistein (**Cat. No. 1533-10**)
Nedaplatin (**Cat. No. 1576-5**)
Nitric Oxide Colorimetric Assay Kit (**Cat. No. K263-100**)
Nitric Oxide Fluorometric Assay Kit (**Cat. No. K252-100**)
Oxaliplatin (**Cat. No. 1577-25**)
Piperlongumine (**Cat. No. 1919-10, 50**)
Paclitaxel (**Cat. No. 1567-25**)
Tamoxifen Citrate (**Cat. No. 1551-1000**)
Vinorelbine Tartrate (**Cat. No. 1957-5, 25**)

FOR RESEARCH USE ONLY! Not to be used in humans.