

## Product Data Sheet

Product Name: DIM  
Cat. No.: GC50061

### Chemical Properties

Cas. No. 1968-05-4

SMILES C12=CC=CC=C1C(CC3=CC(C=CC=C4)=C4N3)=CN2

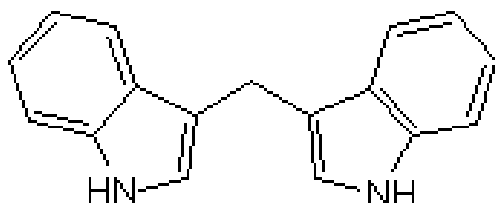
Formula C17H14N2 M.Wt 246.31

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



### Background

Activator of Chk2 that causes G2/M cell cycle arrest in various cancer cell lines. Antiproliferative and inducer of apoptosis; promotes proteasomal degradation of Cdc25C and Cdk1. Inhibits phosphorylation of EGFR and downstream activation of ERK.

Kandala et al (2012) Blocking epidermal growth factor receptor activation by 3,3'-diindolylmethane suppresses ovarian tumor growth in vitro and in vivo. J.Pharmacol.Exp.Ther. 341 24 PMID:22205686  
|Kandala & Srivastava (2010) Activation of checkpoint kinase 2 by 3,3'-diindolylmethane is required for causing G2/M cell cycle arrest in human ovarian cancer cells. Mol.Pharmacol. 78 297 PMID:20444961  
|Shorey et al (2012) 3,3'-diindolylmethane induces G1 arrest and apoptosis in human acute T-cell lymphoblastic leukemia cells. PLoS One. 7 e34975 PMID:22514694

**Caution: Product has not been fully validated for medical applications. For research use only.**

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