

C-DIM 8, Nur77 Antagonist

Catalog	Unit
TBI5157-5MG	5 mg
TBI5157-25MG	25 mg

Product Details

Formal Name: 1,1-Bis(3'-indolyl)-1-(p-hydroxyphenyl)methane

Alternate Names: DIM-C-pPhOH

Molecular Formula: C₂₃H₁₈N₂O

Formula Weight: 338.40

CAS Number: 151358-47-3

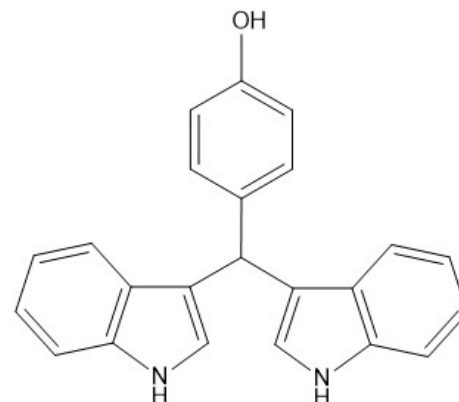
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (35 mg/ml); or Ethanol (35 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Nur77 Antagonist

Functions

An antagonist of the orphan nuclear receptor Nur77 (NR4A1, TR3). Induces reactive oxygen species and ER stress in pancreatic cancer cells. C-DIM 8 mimics the effect of Nur77 knockdown in non-small-cell lung cancer A549 and H460 cells, inhibiting cell growth and inducing apoptosis which was accompanied by decreased expression of survivin and inhibition of mTORC1 signaling. Inhibits the expression of β 1- and β 3-integrin and blocks integrin-dependent breast cancer cell migration. Decreases expression of the histone methyltransferase G9A (EHMT2) in a variety of cancer cell lines.

Application Procedures

First dissolved in DMSO (35 mg/ml); or Ethanol (35 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 2 months.

For research use only.