

**Product Name:** DIM-C-pPhOCH3

**Catalog No.:** 6376

**Batch No.:** 1

CAS Number: 33985-68-1

IUPAC Name: 1,1-Bis(3'-indolyl)-1-(*p*-methoxyphenyl)methane

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>24</sub>H<sub>20</sub>N<sub>2</sub>O.¼H<sub>2</sub>O

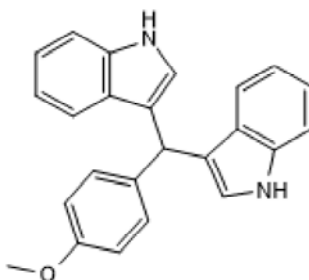
**Batch Molecular Weight:** 356.93

**Physical Appearance:** White solid

**Solubility:** DMSO to 100 mM

**Storage:** Store at -20°C

**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**TLC:** R<sub>f</sub> = 0.65 (petroleum ether / EtOAc (70:30))

**HPLC:** Shows 99.0% purity

**<sup>1</sup>H NMR:** Consistent with structure

**Mass Spectrum:** Consistent with structure

**Microanalysis:**

|             | Carbon | Hydrogen | Nitrogen |
|-------------|--------|----------|----------|
| Theoretical | 80.76  | 5.79     | 7.85     |
| Found       | 80.92  | 5.71     | 7.9      |

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

**bio-techne.com**

info@bio-techne.com

techsupport@bio-techne.com

**North America**

Tel: (800) 343 7475

**China**

info.cn@bio-techne.com

Tel: +86 (21) 52380373

**Europe Middle East Africa**

Tel: +44 (0)1235 529449

**Rest of World**

www.tocris.com/distributors

Tel: +1 612 379 2956

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IUPAC Name: 1,1-Bis(3'-indolyl)-1-(*p*-methoxyphenyl)methane

**Description:**

Nur77 agonist. Induces apoptosis in cancer cell lines in vitro. Enhances long-term potentiation in hippocampal slices and long-term contextual fear memory in an in vivo mouse model.

**Storage:** Store at -20°C

CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

**Physical and Chemical Properties:**

Batch Molecular Formula: C<sub>24</sub>H<sub>20</sub>N<sub>2</sub>O.½H<sub>2</sub>O

Batch Molecular Weight: 356.93

Physical Appearance: White solid

**Solubility & Usage Info:**

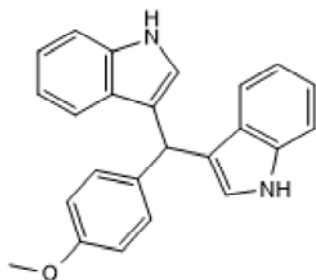
DMSO to 100 mM

**Minimum Purity:** >98%

**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

**Batch Molecular Structure:**



Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

**References:**

**Bridi et al** (2017) Pharmacological activators of the NR4A nuclear receptors enhance LTP in a CREB/CBP-dependent manner. *Neuropsychopharmacology* **42** 1243. PMID: 27834392.

**Chintharlapalli et al** (2005) Activation of Nur77 by selected 1,1-Bis(3'-indolyl)-1-(*p*-substituted phenyl)methanes induces apoptosis through nuclear pathways. *J.Biol.Chem.* **280** 24903. PMID: 15871945.

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