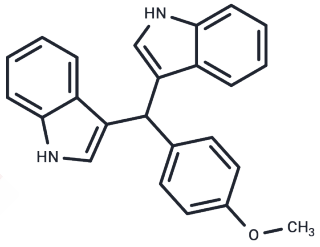
Data Sheet (Cat.No.T4397)

TargetMol

DIM-C-pPhOCH3

Chemical Properties



CAS No. : 33985-68-1

Formula: C24H20N2O

Molecular Weight: 352.43

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	DIM-C-pPhOCH3 (C-DIM5) is a Nerve Growth Factor-Induced Bα (NGFI-Bα, Nur77) agonist
Targets(IC50)	Others,NR4A
In vitro	Induces apoptosis in cancer cell lines in vitro.

Solubility Information

Solubility	DMSO: 35.24 mg/mL (99.99 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (5.67 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8374 mL	14.1872 mL	28.3744 mL
5 mM	0.5675 mL	2.8374 mL	5.6749 mL
10 mM	0.2837 mL	1.4187 mL	2.8374 mL
50 mM	0.0567 mL	0.2837 mL	0.5675 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Bridi MS,etal.Pharmacological Activators of the NR4A Nuclear Receptors Enhance LTP in a CREB/CBP-Dependent Manner.Neuropsychopharmacology. 2017 May;42(6):1243-1253.
Chintharlapalli S,etal.Activation of Nur77 by selected 1,1-Bis(3'-indolyl)-1-(p-substituted phenyl)methanes induces apoptosis through nuclear pathways.J Biol Chem. 2005 Jul 1;280(26):24903-14.