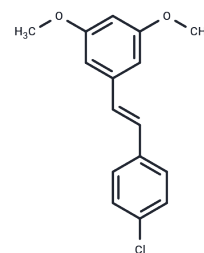


PDM11

Chemical Properties

CAS No. : 1032508-03-4
 Formula: C₁₆H₁₅ClO₂
 Molecular Weight: 274.74
 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	PDM11 (1-[2-(4-Chloro-phenyl)-vinyl]-3,5-diMeth) is an antagonist of aryl hydrocarbon receptor (AhR)
Targets(IC50)	Others,AhR,Phosphatase

Solubility Information

Solubility	DMSO: 10 mg/mL (36.4 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 1 mg/mL (3.64 mM),Sonication is recommended. <i>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.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6398 mL	18.199 mL	36.398 mL
5 mM	0.728 mL	3.6398 mL	7.2796 mL
10 mM	0.364 mL	1.8199 mL	3.6398 mL
50 mM	0.0728 mL	0.364 mL	0.728 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

De Medina P , Casper R , Savouret J F , et al. Synthesis and Biological Properties of New Stilbene Derivatives of Resveratrol as New Selective Aryl Hydrocarbon Modulators[J]. Journal of Medicinal Chemistry, 2005, 48(1):287-291.

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