

Isoindigotin

Chemical Properties

CAS No. :	476-34-6
Formula:	C ₁₆ H ₁₀ N ₂ O ₂
Molecular Weight:	262.263
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>

Biological Description

Description	Isoindigotin is used in the therapy of Y.
Targets(IC50)	Others,DNA/RNA Synthesis

Solubility Information

Solubility	DMSO: 11.36 mg/mL (43.32 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: 1.14 mg/mL (4.35 mM),Solution. 10% DMSO+90% Saline: < 1.14 mg/mL (4.35 mM),Lower concentrations may be soluble, but exact solubility limit is unknown. <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	3.813 mL	19.065 mL	38.1301 mL
5 mM	0.7626 mL	3.813 mL	7.626 mL
10 mM	0.3813 mL	1.9065 mL	3.813 mL
50 mM	0.0763 mL	0.3813 mL	0.7626 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

Zhao P, et al. Eur J Med Chem. 2014 Oct 30;86:165-74.

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