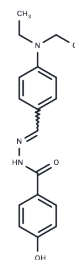


DY131

Chemical Properties

CAS No. :	95167-41-2
Formula:	C ₁₈ H ₂₁ N ₃ O ₂
Molecular Weight:	311.38
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	DY131 (DY-131) is a novel selective agonist of ERRβ and ERRγ.
Targets(IC50)	Estrogen Receptor/ERR, Estrogen/progestogen Receptor, Smo

Solubility Information

Solubility	DMSO: 31.1 mg/mL (99.88 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 (6.42 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	3.2115 mL	16.0576 mL	32.1151 mL
5 mM	0.6423 mL	3.2115 mL	6.423 mL
10 mM	0.3212 mL	1.6058 mL	3.2115 mL
50 mM	0.0642 mL	0.3212 mL	0.6423 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

Wang Y, et al. ACS Chem Biol. 2012,15;7(6):1040-8.2. Kumar P, et al. Mol Endocrinol. 2011;25(9): 1513-26.

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