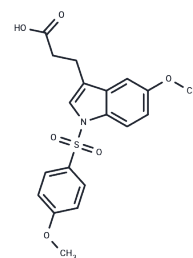


## Indeglitazar

## Chemical Properties

CAS No. :	835619-41-5
Formula:	C <sub>19</sub> H <sub>19</sub> N <sub>1</sub> O <sub>6</sub> S
Molecular Weight:	389.42
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	Indeglitazar (PPM 204) is orally available pan-agonist of PPAR (PPAR subtypes alpha (α), delta (δ), and gamma (γ)).
Targets(IC50)	PPAR
In vitro	Measuring in part functional insulin sensitization capability of the cells, Indeglitazar shows an EC50 of 0.32 μM compared with Rosiglitazone, which shows an EC50 of 13 nM, in an assay of preadipocyte differentiation[1].
In vivo	In Zucker rat model of diabetes, Indeglitazar (10 mg/kg; i.v.) significantly lowers the levels of glucose, HbA1C, triglycerides. In the ob/ob model of diabetes and insulin resistance, Indeglitazar significantly decreases glucose, insulin, triglycerides, and free fatty acid levels. The level of Adiponectin (day 21) is essentially unchanged, thus the observed reductions in glucose and HbA1C are achieved in an adiponectin-independent fashion[1].

## Solubility Information

Solubility	DMSO: 90 mg/mL (231.11 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: 3.3 mg/mL (8.47 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

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	2.5679 mL	12.8396 mL	25.6792 mL
5 mM	0.5136 mL	2.5679 mL	5.1358 mL
10 mM	0.2568 mL	1.284 mL	2.5679 mL
50 mM	0.0514 mL	0.2568 mL	0.5136 mL

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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

Artis DR, et al. Scaffold-based discovery of Indeglitazar, a PPAR pan-active anti-diabetic agent. Proc Natl Acad Sci U S A. 2009 Jan 6;106(1):262-7.

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