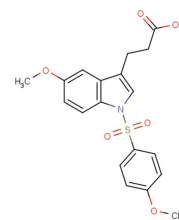


Indeglitazar

Chemical Properties

CAS No.:	835619-41-5
Formula:	C19H19NO6S
Molecular Weight:	389.42
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Indeglitazar is orally available pan-agonist of PPAR (PPAR subtypes alpha (α), delta (δ), and gamma (γ)).
Targets(IC ₅₀)	PPAR α ;PPAR δ ;PPAR γ : None
In vitro	Measuring in part functional insulin sensitization capability of the cells, Indeglitazar shows an EC ₅₀ of 0.32 μ M compared with Rosiglitazone, which shows an EC ₅₀ of 13 nM, in an assay of preadipocyte differentiation.
In vivo	After treatment with Indeglitazar (10 mg/kg; i.v.; once per day for 3 weeks), the significant lowering of glucose, HbA1C, triglycerides. These differences in the effects of Indeglitazar in vivo may be a consequence of synergy between the 3 PPAR activities or because of the SPPARM profile of the compound, or a combination of these factors. The oral activity of Indeglitazar is assessed 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 (on day 21) is essentially unchanged in treated vs. untreated animals (4.8 mcg/mL vs. 4.9 mcg/mL), thus the observed reductions in glucose and HbA1C are achieved in an adiponectin-independent fashion.

Solubility Information

Solubility	DMSO: 33 mg/mL (84.74 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.568 mL	12.84 mL	25.679 mL
5 mM	0.514 mL	2.568 mL	5.136 mL
10 mM	0.257 mL	1.284 mL	2.568 mL
50 mM	0.051 mL	0.257 mL	0.514 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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.

Inhibitors · Natural Compounds · Compound Libraries

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