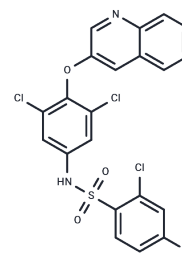


## AMG131

## Chemical Properties

CAS No. :	315224-26-1
Formula:	C <sub>21</sub> H <sub>12</sub> Cl <sub>4</sub> N <sub>2</sub> O <sub>3</sub> S
Molecular Weight:	514.21
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	AMG131 (CHS 131) , is a novel, non-thiazolidinedione (TZD), selective peroxisome proliferator-activated receptor (PPAR)gamma modulator, which can be used for the treatment of type 2 diabetes mellitus (non-insulin dependent diabetes)
Targets(IC50)	PPAR

## Solubility Information

Solubility	DMSO: 27.5 mg/mL (53.48 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 (3.89 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	1.9447 mL	9.7237 mL	19.4473 mL
5 mM	0.3889 mL	1.9447 mL	3.8895 mL
10 mM	0.1945 mL	0.9724 mL	1.9447 mL
50 mM	0.0389 mL	0.1945 mL	0.3889 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

Kintscher U , Goebel M . INT-131, a PPARgamma agonist for the treatment of type 2 diabetes.[J]. Curr Opin Investig Drugs, 2009, 10(4):381-387.

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