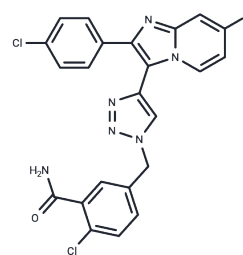


MI-883

## Chemical Properties

CAS No. : 2530027-71-3  
 Formula: C<sub>23</sub>H<sub>15</sub>Cl<sub>2</sub>FN<sub>6</sub>O  
 Molecular Weight: 481.309  
 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	MI-883 is an orally active Constitutive Androstane Receptor (CAR, EC <sub>50</sub> =73 nM) agonist and a Pregnane X Receptor (PXR, IC <sub>50</sub> =0.1 μM) antagonist. It enhances CAR LBD assembly (EC <sub>50</sub> =0.38 μM) and activates the CAR3 variant (EC <sub>50</sub> =0.074 μM), inducing CYP2B6 mRNA expression in HepaRG and primary human hepatocytes. Additionally, MI-883 inhibits the basal activity of PXR (IC <sub>50</sub> =2.03 μM) and reduces CYP3A4 mRNA expression in transiently transfected HepG2 cells. It also regulates cholesterol metabolism and bile acid excretion, improving hypercholesterolemia in mouse models.
Targets(IC <sub>50</sub> )	Cytochromes P450

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0777 mL	10.3883 mL	20.7766 mL
5 mM	0.4155 mL	2.0777 mL	4.1553 mL
10 mM	0.2078 mL	1.0388 mL	2.0777 mL
50 mM	0.0416 mL	0.2078 mL	0.4155 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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