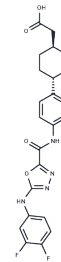


AZD3988

## Chemical Properties

CAS No. :	892489-52-0
Formula:	C <sub>23</sub> H <sub>22</sub> F <sub>2</sub> N <sub>4</sub> O <sub>4</sub>
Molecular Weight:	456.44
Storage:	Store at low temperature,Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	AZD3988 is an orally active and highly potent inhibitor of diacylglycerol acyltransferase-1 (DGAT-1) for the study of diabetes and obesity.
Targets(IC50)	Acyltransferase,Transferase
In vitro	In mice, rats, and dogs, AZD3988 (0.5, 1, 2, 5 mg/kg; intravenous injection) exhibited good bioavailability[1].

## Solubility Information

Solubility	DMSO: 10 mg/mL (21.91 mM),Sonification is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1909 mL	10.9543 mL	21.9087 mL
5 mM	0.4382 mL	2.1909 mL	4.3817 mL
10 mM	0.2191 mL	1.0954 mL	2.1909 mL
50 mM	0.0438 mL	0.2191 mL	0.4382 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

McCoull W, et al. Identification, optimisation and in vivo evaluation of oxadiazole DGAT-1 inhibitors for the treatment of obesity and diabetes. *Bioorg Med Chem Lett*. 2012 Jun 15;22(12):3873-8.

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