

## Adomeglivant

## Chemical Properties

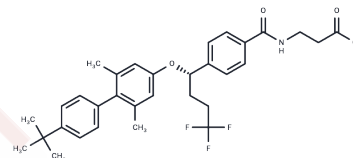
CAS No. : 1488363-78-5

Formula: C<sub>32</sub>H<sub>36</sub>F<sub>3</sub>N<sub>4</sub>O<sub>4</sub>

Molecular Weight: 555.63

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	Adomeglivant (LY2409021) is a potent and selective glucagon receptor antagonist. Which is used in clinical trial for type 2 diabetes mellitus.
Targets(IC50)	Glucagon Receptor

## Solubility Information

Solubility	DMSO: 90 mg/mL (161.98 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 (5.94 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	1.7998 mL	8.9988 mL	17.9976 mL
5 mM	0.360 mL	1.7998 mL	3.5995 mL
10 mM	0.180 mL	0.8999 mL	1.7998 mL
50 mM	0.036 mL	0.180 mL	0.360 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

Li Y et al. Efficient Synthesis of  $\beta$ -CF<sub>3</sub>/SCF<sub>3</sub>-Substituted Carbonyls via Copper-Catalyzed Electrophilic Ring-Opening Cross-Coupling of Cyclopropanols. Org Lett. 2015 May 1;17(9):2186-9.

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