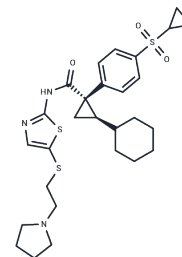


## (1S,2R)-Globalagliatin

## Chemical Properties

CAS No. :	2514278-46-5
Formula:	C <sub>28</sub> H <sub>37</sub> N <sub>3</sub> O <sub>3</sub> S <sub>3</sub>
Molecular Weight:	559.81
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	(1S,2R)-Globalagliatin is a highly potent glucokinase (GK) activator for the study of type 2 diabetes.
Targets(IC50)	Glucokinase

## Solubility Information

Solubility	DMSO: 50 mg/mL (89.32 mM), Sonication 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	1.7863 mL	8.9316 mL	17.8632 mL
5 mM	0.3573 mL	1.7863 mL	3.5726 mL
10 mM	0.1786 mL	0.8932 mL	1.7863 mL
50 mM	0.0357 mL	0.1786 mL	0.3573 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

Zheng S, et al. Safety, Pharmacokinetics, and Pharmacodynamics of Globalagliatin, a Glucokinase Activator, in Chinese Patients with Type 2 Diabetes Mellitus: A Randomized, Phase Ib, 28-day Ascending Dose Study. Clin Drug Investig. 2020 Dec;40(12):1155-1166.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481