

## Sitagliptin fenilalanil hydrochloride

## Chemical Properties

CAS No. :	1339954-75-4
Formula:	C <sub>25</sub> H <sub>25</sub> ClF <sub>6</sub> N <sub>6</sub> O <sub>2</sub>
Molecular Weight:	590.95
Storage:	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	Sitagliptin fenilalanil hydrochloride is an orally active dipeptidyl peptidase-4 (DPP-4) inhibitor. Sitagliptin fenilalanil hydrochloride is used in diabetes research.
Targets(IC50)	Others,Proteasome

## Solubility Information

Solubility	DMSO: 20 mg/mL (33.84 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	1.6922 mL	8.461 mL	16.9219 mL
5 mM	0.3384 mL	1.6922 mL	3.3844 mL
10 mM	0.1692 mL	0.8461 mL	1.6922 mL
50 mM	0.0338 mL	0.1692 mL	0.3384 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

International Nonproprietary Names for Pharmaceutical Substances (INN). WHO Drug Information, Vol. 36, No. 2, 2022.

Scheen AJ. Pharmacokinetics of dipeptidylpeptidase-4 inhibitors. Diabetes Obes Metab. 2010;12(8):648-658.

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