

## V-0219 hydrochloride

## Chemical Properties

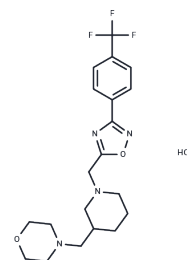
CAS No. :

Formula: C<sub>20</sub>H<sub>26</sub>ClF<sub>3</sub>N<sub>4</sub>O<sub>2</sub>

Molecular Weight: 446.89

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	V-0219 hydrochloride, an orally-active positive allosteric modulator (PAM) of the glucagon-like peptide-1 receptor (GLP-1R), is utilized in obesity-associated diabetes research.
Targets(IC50)	Glucagon Receptor

## Solubility Information

Solubility	DMSO: 45 mg/mL (100.7 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: 2 mg/mL (4.48 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	2.2377 mL	11.1884 mL	22.3769 mL
5 mM	0.4475 mL	2.2377 mL	4.4754 mL
10 mM	0.2238 mL	1.1188 mL	2.2377 mL
50 mM	0.0448 mL	0.2238 mL	0.4475 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

Decara JM, et al. Discovery of V-0219: A Small-Molecule Positive Allosteric Modulator of the Glucagon-Like Peptide-1 Receptor toward Oral Treatment for "Diabesity". J Med Chem. 2022 Apr 14;65(7):5449-5461.

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