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Produktinformation



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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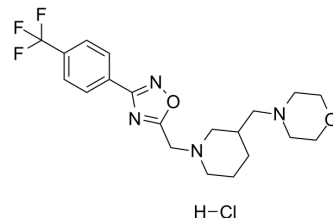
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V-0219 hydrochloride

Cat. No.:	HY-143312A
CAS No.:	2922283-73-4
Molecular Formula:	C ₂₀ H ₂₆ ClF ₃ N ₄ O ₂
Molecular Weight:	446.89
Target:	GLP Receptor
Pathway:	GPCR/G Protein
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (223.77 mM); ultrasonic and warming and heat to 60°C																							
	<table border="1"> <thead> <tr> <th rowspan="2">Solvent Concentration</th> <th colspan="3">Mass</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td>Preparing Stock Solutions</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1 mM</td> <td>2.2377 mL</td> <td>11.1884 mL</td> <td>22.3769 mL</td> </tr> <tr> <td>5 mM</td> <td>0.4475 mL</td> <td>2.2377 mL</td> <td>4.4754 mL</td> </tr> <tr> <td>10 mM</td> <td>0.2238 mL</td> <td>1.1188 mL</td> <td>2.2377 mL</td> </tr> </tbody> </table>	Solvent Concentration	Mass			1 mg	5 mg	10 mg	Preparing Stock Solutions				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
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	Please refer to the solubility information to select the appropriate solvent.																							
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (5.59 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.59 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.59 mM); Clear solution 																							

BIOLOGICAL ACTIVITY

Description	V-0219 hydrochloride (Compound 9) is an orally active, positive allosteric modulator (PAM) of the glucagon-like peptide-1 receptor (GLP-1R). V-0219 hydrochloride can be used for obesity-associated diabetes research ^[1] .
IC₅₀ & Target	GLP-1R ^[1]

REFERENCES

[1]. 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 "Diabetesity". J Med Chem. 2022 Apr 14;65(7):5449-5461.

Caution: Product has not been fully validated for medical applications. For research use only.

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