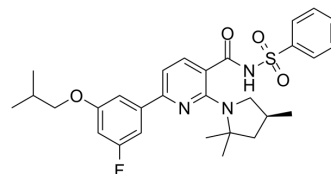


Olacaftor

Cat. No.:	HY-112267		
CAS No.:	1897384-89-2		
Molecular Formula:	C ₂₉ H ₃₄ FN ₃ O ₄ S		
Molecular Weight:	539.66		
Target:	CFTR; Autophagy		
Pathway:	Membrane Transporter/Ion Channel; Autophagy		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (92.65 mM; ultrasonic and warming and heat to 60°C)				
	Preparing Stock Solutions	Solvent \ Mass \ Concentration	1 mg	5 mg	10 mg
		1 mM	1.8530 mL	9.2651 mL	18.5302 mL
		5 mM	0.3706 mL	1.8530 mL	3.7060 mL
		10 mM	0.1853 mL	0.9265 mL	1.8530 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 0.62 mg/mL (1.15 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 0.62 mg/mL (1.15 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Olacaftor (VX-440) is a cystic fibrosis transmembrane conductance regulator (CFTR) modulator extracted from patent US9782408.
IC ₅₀ & Target	CFTR ^[1]

REFERENCES

[1]. Miller M, et al. Modulators of cystic fibrosis transmembrane conductance regulator. US9782408.

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

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