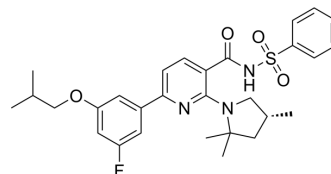


(R)-Olacaftor

Cat. No.:	HY-112267A		
CAS No.:	1899111-41-1		
Molecular Formula:	C ₂₉ H ₃₄ FN ₃ O ₄ S		
Molecular Weight:	539.66		
Target:	CFTR		
Pathway:	Membrane Transporter/Ion Channel		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 250 mg/mL (463.25 mM; Need ultrasonic)

Concentration	Mass		
	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

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.08 mg/mL (3.85 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (3.85 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

(R)-Olacaftor ((R)-VX-440) is a Cystic fibrosis transmembrane conductance regulator (CFTR) modulator. (R)-Olacaftor has good potential for the study of cystic fibrosis (CF)^[1].

REFERENCES

- [1]. Mark Thomas Miller, et al. Modulators of Cystic Fibrosis Transmembrane Conductance Regulator. Patent US20160095858A1.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA