

Product Name: VX-661 Revision Date: 01/10/2021 **Product Data Sheet**

VX-661

VX-001	-10	
Cat. No.:	A2664	E F
CAS No.:	1152311-62-0	X
Formula:	C26H27F3N2O6	
M.Wt:	520.5	
Synonyms:		
Target:	Membrane Transporter/Ion Channe	HO F
Pathway:	CFTR	NH NH
Storage:	Store at -20°C	N
	APEABIO	Нот

Solvent & Solubility

	\geq 21.8 mg/mL in DMSO; insoluble in EtOH; \geq 24.3 mg/mL in H2O				
In Vitro	Preparing Stock Solutions	Mass Solvent Concentration	1mg	5mg	10mg
		1 mM	1.9212 mL	9.6061 mL	19.2123 mL
		5 mM	0.3842 mL	1.9212 mL	3.8425 mL
		10 mM	0.1921 mL	0.9606 mL	1.9212 mL

Please refer to the solubility information to select the appropriate solvent.



1 | www.apexbt.com

		and/or shake it in the ultrasonic bath for a while. Stock solution can be stor		
		below -20°C for several months.		
	Reacting conditions:	3 μM for 24 hours at 26°C.		
	Applications:	VX-661 could partially revert the folding and processing defects and rescue		
		PM(plasma membrane) densities of ΔF508-CFTR(Cystic fibrosis		
	BIO	transmembrane regulator). VX-770 was a potentiators that increase channel		
	PErson	gating and conductance.VX-770 reduced the correction efficacy of corrector		
	and the second second	VX-661. The VX-770 effect was attenuated in VX-661 treated cells, probably		
		due to partial stabilization of the mature Δ F508-CFTR pool. A combination of		
		chronic VX-661 and acute VX-770, together with a cAMP (cyclic adenosine		
		3',5'-monophosphate) agonist, increased Δ F508-CFTR conductance to ~25%		
		of that in non-CF HBE (human bronchial epithelial).		
	Animal experiment			
	Dosage form:	10,30, 100, or 150 mg daily in oral for 28 days		
	Applications:	Interim results found decreases in sweat chloride with VX-661 alone and in		
	DELunen	combination with ivacaftor(VX-770). A relative change in FEV1 (forced		
Le Mires	Start Contraction	expiratory volume in one second) compared with placebo was significant at 28		
IN VIVO		days with VX-661 100 mg (9%) and 150 mg (7.5%) in combination with		
		ivacaftor.		
	Other notes:	Please test the solubility of all compounds indoor, and the actual solubility may		
		slightly differ with the theoretical value. This is caused by an experimental		
		system error and it is normal.		

Product Citations



See more customer validations on www.apexbt.com.

References



[1] S. Donaldson, J. Pilewski, M. Griese, Q. Dong, P.-S. Lee, for the VX11–661-101 Study Group. WS7.3 VX-661, an investigational CFTR corrector, in combination with ivacaftor, a CFTR potentiator, in patients with CF and homozygous for the F508Del-CFTR mutation: Interim analysis. Journal of Cystic Fibrosis, Volume 12, Supplement 1, June 2013, Page S14

[2] National Institutes of Health. Study of VX-661 Alone and in Combination With Ivacaftor in Subjects Homozygous or Heterozygous to the F508del-Cystic Fibrosis Transmembrane Conductance Regulator(CFTR) Mutation (February 1, 2012). Available at: http://clinicaltrials.gov/ct2/show/NCT01531673. Accessed May 5, 2015.

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

APExBIO Technology www.apexbt.com

7505 Fannin street, Suite 410, Houston, TX 77054. Tel: +1-832-696-8203 | Fax: +1-832-641-3177 | Email: info@apexbt.com







