Product Datasheet

Technical Data

Formula	$C_{26}H_{27}F_3N_2O_6$					
Molecular Weight	520.5	**CAS No.**	1152311-62-0			
Solubility (25°C)*	In vitro	DMSO	100 mg/mL (192.12 mM)			
		Ethanol	13 mg/mL (24.97 mM)			
		Water	Insoluble			
	In vivo (Add solvents to the product individually and in order)	Oral Administration	Homogeneous suspension	CMC-NA	≥5mg/ml	Taking the 1 mL working solution as an example, add 5 mg of this product to 1 ml of CMC-Na solution, mix evenly to obtain a homogeneous suspension with a final concentration of 5 mg/ml.

* <1 mg/ml means slightly soluble or insoluble.
* Please note that Capsid Bio tests the solubility of all compounds in-house, and the actual solubility may differ slightly from published values. This is normal and is due to slight batch-to-batch variations.
* Room temperature shipping (Stability testing shows this product can be shipped at 2-8°C for storage purposes.)

Preparing Stock Solutions

Biological Activity

Description	Tezacaftor (VX-661) is a second **F508del CFTR** corrector and is believed to help CFTR protein reach the cell surface. Phase 2.
Targets	F508del-CFTR [1] (Cell-free assay)
In vitro	VX-661, known as a CTFR corrector, allows F508del mutant channels to escape degradation and transit to the cell membrane.

Protocol (from reference)

Cell Assay:[2]

- **Cell lines**
  Primary HBE cells
- **Concentrations**
  5 μM
- **Incubation Time**
  24 h
- **Method**
  Cells were treated with indicated concentration of drug for 24 h.

Animal Study:[3]

- **Animal Models**
  Male FVB/n mice
- **Dosages**
  2 mg/kg
- **Administration**
  i.p.

References

http://investors.vrtx.com/releasedetail.cfm?releaseid=757597 https://pubmed.ncbi.nlm.nih.gov/33859562/ https://pubmed.ncbi.nlm.nih.gov/34587656/

RETURN POLICY

Capsid Bio's Unconditional Return Policy ensures a smooth online shopping experience for our customers. If you are in any way unsatisfied with your purchase, you may return any item(s) within 7 days of receiving it. In the event of product quality issues, either protocol related or product related problems, you may return any item(s) within 365 days from the original purchase date. Please follow the instructions below when returning products.

SHIPPING & STORAGE

Capsid Bio products are transported at room temperature. If you receive the product at room temperature, please rest assured, the Capsid Bio Quality Inspection Department has conducted experiments to verify that the normal temperature placement of one month will not affect the biological activity of powder products. After collecting, please store the product according to the requirements described in the datasheet. Most Capsid Bio products are stable under the recommended conditions.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

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