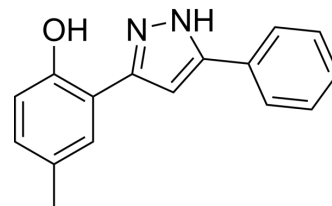


VRT-532

Cat. No.:	HY-114725
CAS No.:	38214-71-0
Molecular Formula:	C ₁₆ H ₁₄ N ₂ O
Molecular Weight:	250.3
Target:	CFTR
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	VRT-532 (CFpot-532) is a potent CFTR modulator. VRT-532 enhances channel activity in G551D-CFTR and intrinsic ATPase activity of G551D-CFTR. VRT-532 has the potential for the research of cystic fibrosis ^{[1][2]} .
In Vitro	VRT-532 (15 μM) directly binds reconstituted G551D-CFTR and modifies its ATPase activity ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Pasyk S, et al. Direct interaction of a small-molecule modulator with G551D-CFTR, a cystic fibrosis-causing mutation associated with severe disease. *Biochem J.* 2009 Feb 15;418(1):185-90.
- [2]. Wang Y, et al. Correctors promote maturation of cystic fibrosis transmembrane conductance regulator (CFTR)-processing mutants by binding to the protein. *J Biol Chem.* 2007 Nov 16;282(46):33247-33251.

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

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