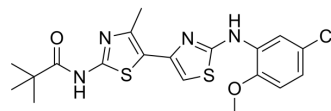


CFTR corrector 12

Cat. No.:	HY-155742
CAS No.:	958941-60-1
Molecular Formula:	C ₁₉ H ₂₁ ClN ₄ O ₂ S ₂
Molecular Weight:	436.98
Target:	CFTR
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	CFTR corrector 12 (compound 17C) is a bithiazole derivative, serving as CFTR corrector. CFTR corrector 12 has the ability to correct some folding defective mutants of the channel responsible for the control of chloride transport across the plasma membrane. CFTR corrector 12 recovers the α -sarcoglycan (α -SG) content in mutant cells ^[1] .
In Vitro	CFTR corrector 12 (compound 17C) (15 μ M; 72 h) recovers α -sarcoglycan (α -SG) content in L31P/V247M α -SG mutation cells [1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Ribaudo G, et al. Synthesis and Evaluation of Bithiazole Derivatives As Potential α -Sarcoglycan Correctors. ACS Med Chem Lett. 2023 Jul 28;14(8):1049-1053.

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

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