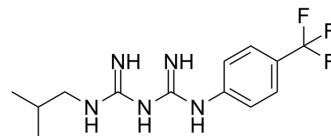


AMPK activator 2

Cat. No.:	HY-130723
CAS No.:	2410961-69-0
Molecular Formula:	C ₁₃ H ₁₈ F ₃ N ₅
Molecular Weight:	301.31
Target:	AMPK
Pathway:	Epigenetics; PI3K/Akt/mTOR
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	AMPK activator 2 (compound 7a), a fluorine-containing proguanil derivative, up-regulates AMPK signal pathway and downregulates mTOR/4EBP1/p70S6K. AMPK activator 2 inhibits proliferation and migration of human cancer cell lines (UMUC3, T24, A549) ^[1] .
IC ₅₀ & Target	AMPK

REFERENCES

[1]. Di Xiao, et al. Synthesis, biological evaluation and anti-proliferative mechanism of fluorine-containing proguanil derivatives. *Bioorg Med Chem*. 2020 Jan 15;28(2):115258.

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

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