

AMPK activator 2 hydrochloride

Cat. No.: HY-130723A

Molecular Formula: $C_{13}H_{19}ClF_3N_5$

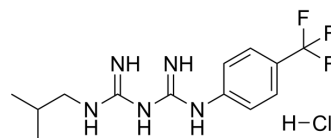
Molecular Weight: 337.77

Target: AMPK

Pathway: Epigenetics; PI3K/Akt/mTOR

Storage: 4°C, sealed storage, away from moisture

* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



BIOLOGICAL ACTIVITY

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

IC₅₀ & 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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