

Product Data Sheet

Product Name: AMPK activator 2 hydrochloride

Cat. No.: GC72998

Chemical Properties

Cas. No.

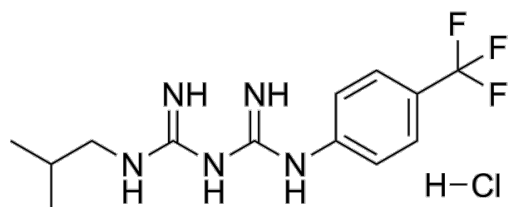
Formula $C_{13}H_{19}ClF_3N_5$ M.Wt 337.77

Solubility DMSO : ≥ 100 mg/mL (296.06 mM) Storage 4°C, sealed storage, away from moisture

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

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

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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