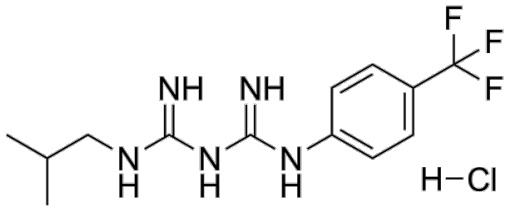
Product Data Sheet

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.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet