Product Data Sheet

Product Name: JQKD82 trihydrochloride
Cat. No.: GC64841

Chemical Properties

Cas. No.			
Formula	C27H43Cl3N4O5	M.Wt	610.01
Solubility	Methanol : 250 mg/mL (409.83 mM; Need ultrasonic)|DMSO : 50 mg/mL (81.97 mM; Need ultrasonic)	Storage	4°C, away from moisture
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ 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	JQKD82 trihydrochloride		

Background

JQKD82 (JADA82) trihydrochloride is a cell-permeable and selective KDM5 inhibitor. JQKD82 trihydrochloride increases H3K4me3 and can be used for the research of multiple myeloma[1].

JQKD82 (0.3 μM; 24 hours) trihydrochloride causes an increase in the global H3K4me3 level of MM.1S cells[1].JQKD82 (0.1-10 μM; day 1-day 5) trihydrochloride inhibits the growth of MM.1S cells in a dose- and time-dependent manner. JQKD82 trihydrochloride is potent at eliciting growth suppression in MM.1S cells (IC50=0.42 μM)[1].JQKD82 (1 μM; 24 hours) trihydrochloride induces G1 cell-cycle arrest by 48 hours in MM.1S and MOLP-8 cells[1].

JQKD82 (50-75 mg/kg; i.p.; twice a day for 3 weeks) trihydrochloride has anti-multiple myeloma activity[1].JQKD82 trihydrochloride displays an increase in H3K4me3 levels and results in a dramatic reduction of MYC immuno-staining in vivo[1].

[1]. Jun Qi, et al. Histone demethylase 5 inhibitors and uses thereof. WO2020033377A1.

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