

Product Data Sheet

Product Name: MK-0493 hydrochloride

Cat. No.: GC72893

Chemical Properties

Cas. No. 455957-71-8

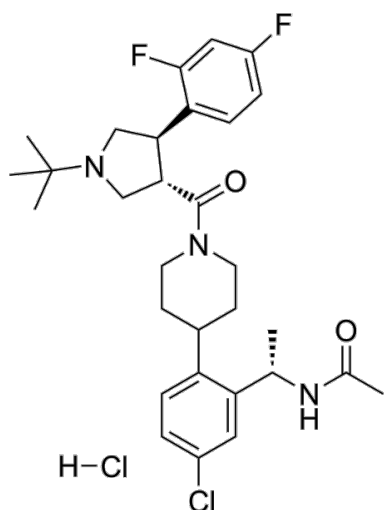
Formula $C_{30}H_{39}Cl_2F_2N_3O_2$ M.Wt 582.55

Solubility DMSO : 200 mg/mL (343.32 mM; Need ultrasonic) 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

MK-0493 drochloride is a potent, orally active and selective agonist of the melanocortin receptor 4 (MC4R), demonstrating significant reductions in energy intake.

References:

[1]. Krishna R, etal. Potent and selective agonism of the melanocortin receptor 4 with MK-0493 does not induce weight loss in obese human subjects: energy intake predicts lack of weight loss efficacy.

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

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Clin Pharmacol Ther. 2009 Dec;86(6):659-66.

[2]. Sezen SF, et al. Intracavernosal pressure monitoring in mice: responses to electrical stimulation of the cavernous nerve and to intracavernosal drug administration. J Androl. 2000 Mar-Apr;21(2):311-5.

[3]. Hong Q, et al. Discovery of a piperazine urea based compound as a potent, selective, orally bioavailable melanocortin subtype-4 receptor partial agonist. Bioorg Med Chem Lett. 2011 Apr 15;21(8):2330-4.

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