Product Data Sheet

Product Name: MI-1061 TFA
Cat. No.: GC62598

Chemical Properties

Cas. No.	1410737-35-7		
Formula	$C_{32}H_{27}Cl_2F_4N_3O_6$	M.Wt	696.47
Solubility	DMSO : 120 mg/mL (172.30 mM; Need ultrasonic)	Storage	4°C, protect from light
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	MI-1061 TFA		

Background

MI-1061 TFA is a potent, orally bioavailable, and chemically stable MDM2 (MDM2-p53 interaction) inhibitor (IC50=4.4 nM; Ki=0.16 nM). MI-1061 TFA potently activates p53 and induces apoptosis in the SJSA-1 xenograft tumor tissue in mice. Anti-tumor activity[1].

MI-1061 achieves IC50=100 and 250 nM in the SJSA-1 and HCT-116 p53+/+ cell lines, respectively, and has IC50>10000 nM in the p53 knockout cell line HCT-116 p53-/-cell line[1].

MI-1061 (100 mg/kg; p.o.; daily for 14 days) is capable of achieving tumor regression in the SJSA-1 xenograft tumor model in mice[1].

[1]. Aguilar A, et al. Design of chemically stable, potent, and efficacious MDM2 inhibitors that exploit the retro-mannich ring-opening-cyclization reaction mechanism in spiro-oxindoles. J Med Chem. 2014;57(24):10486-10498.

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