Data Sheet (Cat.No.T14372)



AZD1979

Chemical Propert	ties	
CAS No. :	1254035-84-1	\sim
Formula:	C25H26N4O5	
Molecular Weight:	462.5 ^(C)	NN N
Appearance:	no data available	
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year	

Biological Description

Description	AZD1979 is an antagonist of Melanin-concentrating hormone receptor 1 (MCHr1) (IC50: 12 nM).
Targets(IC50)	Others
In vivo	In DIO mice, the initial weight loss induced by AZD1979 is primarily due to reduced food consumption. An additional factor contributing to this weight loss is the maintenance of energy expenditure, as observed in pair-feeding and indirect calorimetry studies. Furthermore, AZD1979 has been shown to decrease body weight in dogs in a dose-dependent manner[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1622 mL	10.8108 mL	21.6216 mL
5 mM	0.4324 mL	2.1622 mL	4.3243 mL
10 mM	0.2162 mL	1.0811 mL	2.1622 mL
50 mM	0.0432 mL	0.2162 mL	0.4324 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Ploj K, et al. Effects of a novel potent melanin-concentrating hormone receptor 1 antagonist, AZD1979, on body weight homeostasis in mice and dogs. Br J Pharmacol. 2016 Sep;173(18):2739-51.

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