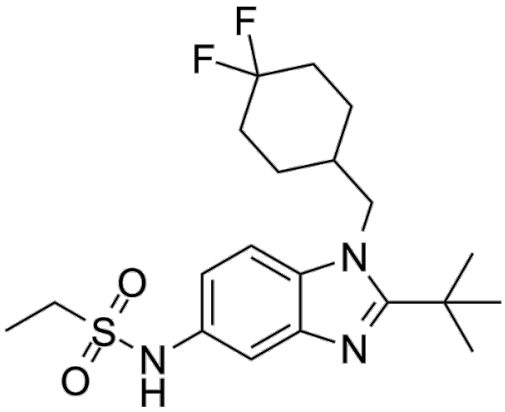
Product Data Sheet

Product Name: AZD1940
Cat. No.: GC62855

Chemical Properties

Cas. No.	881413-29-2		
Formula	$C_{20}H_{29}F_2N_3O_2S$	M.Wt	413.52
Solubility	DMSO : 100 mg/mL (241.83 mM; Need ultrasonic)	Storage	Store at -20°C
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

AZD1940 is an orally active, high affinity cannabinoid CB1/CB2 receptor agonist with pKi values of 7.93 and 9.06 for human CB1R and CB2R, respectively. AZD1940 shows a robust analgesia action[1][2].

Caution: Product has not been fully validated for medical applications. For research use only.
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AZD1940 binds with high affinity to human, rat and mouse CB1 and CB2 receptors and displays full agonism at both receptors in all three species[1][2].

When given orally to rats, AZD1940 produces a robust analgesia in different models of inflammatory and neuropathic pain[1][2].For AZD1940, low brain uptake at analgesic doses has been demonstrated in both rats and primates[1].

[1]. Jarkko KalliomÄki, et al. Evaluation of the analgesic efficacy and psychoactive effects of AZD1940, a novel peripherally acting cannabinoid agonist, in human capsaicin-induced pain and hyperalgesia. Clin Exp Pharmacol Physiol. 2013 Mar;40(3):212-8.
[2]. Magnus Schou, et al. Radiolabeling of the cannabinoid receptor agonist AZD1940 with carbon-11 and PET microdosing in non-human primate. Nucl Med Biol. 2013 Apr;40(3):410-4.

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