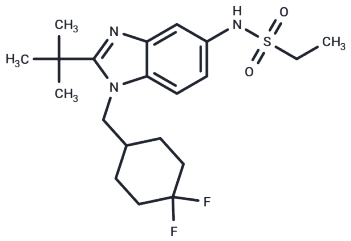
# Data Sheet (Cat.No.T30252)

TargetMol
YOUR TARGET MOLECULES

AZD1940

## Chemical Properties



CAS No. : 881413-29-2

Formula: C20H29F2N3O2S

Molecular Weight: 413.52

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

## Biological Description

| | |
|---|---|
| Description | AZD1940 (UNII-0J0035E9FT) is a high affinity CB(1)/CB(2) receptor agonist of the cannabinoid with oral activity. Application in the study of orofacial pain. |
| Targets(IC50) | Cannabinoid Receptor |
| In vitro | AZD1940 demonstrates high binding affinity towards the CB1 and CB2 receptors in humans, rats, and mice, exhibiting full agonism at both receptor types across these species[1]. |
| In vivo | After given orally to human, the mean maximum plasma concentration (Cmax) for AZD1940 800 mg was 9.3 nmol/L . The mean concentration over post-dose eight hours for AZD1940 was 236 nmol.h/L[1]. |

## Solubility Information

| | |
|---|---|
| Solubility | DMSO: 90.0 mg/mL (217.6 mM),Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 2.4183 mL | 12.0913 mL | 24.1826 mL |
| 5 mM | 0.4837 mL | 2.4183 mL | 4.8365 mL |
| 10 mM | 0.2418 mL | 1.2091 mL | 2.4183 mL |
| 50 mM | 0.0484 mL | 0.2418 mL | 0.4837 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

Schou M, 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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