

## Product Data Sheet

Product Name: AZD-8529

Cat. No.: GC31097

### Chemical Properties

Cas. No. 1092453-15-0

SMILES O=C1C2=C(C)C=C(C3=NC(CN4CCNCC4)=NO3)C=C2CN1CC5=CC=C(OC(F)(F)F)C=C5

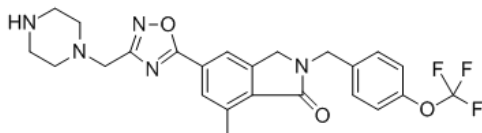
Formula  $C_{24}H_{24}F_3N_5O_3$  M.Wt 487.47

Solubility DMSO: 62.5 mg/mL (128.21 mM) 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

AZD-8529 is a potent, highly selective and orally bioavailable positive allosteric modulator of mGluR2, with an EC<sub>50</sub> of 285 nM, and shows no positive allosteric modulator responses at 20-25 M on the mGluR1, 3, 4, 5, 6, 7, and 8 subtypes.

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mGluR1, 3, 4, 5, 6, 7, and 8 subtypes. AZD8529 potentiates the effects of glutamate at mGluR2 with an EC<sub>50</sub> of 195±62 nM[1].

AZD-8529 (0.3, 1 or 3 mg/kg, i.m.) reduces nicotine priming-induced and cue-induced reinstatement in squirrel monkeys. AZD-8529 (30 mg/kg) decreases the increased extracellular dopamine induced by nicotine in accumbens shell of freely-moving rats[1].

[1]. Justinova Z, et al. The Novel Metabotropic Glutamate Receptor 2 Positive Allosteric Modulator, AZD8529, Decreases Nicotine Self-Administration and Relapse in Squirrel Monkeys. *Biol Psychiatry*. 2015 Oct 1;78(7):452-62.

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