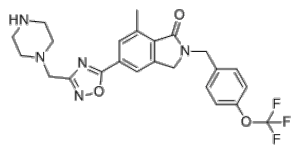


Product Name	: AZD8529
Synonyms	: AZD 8529
Cat No.	: M10350
CAS Number	: 1092453-15-0
Molecular Formula	: C ₂₄ H ₂₄ F ₃ N ₅ O ₃
Formula Weight	: 487.48
Chemical Name	: 2,3-Dihydro-7-methyl-5-[3-(1-piperazinylmethyl)-1,2,4-oxadiazol-5-yl]-2-[[4-(trifluoromethoxy)phenyl]methyl]-1H-isoindol-1-one
Description	 AZD8529 is a novel potent, selective mGluR2 positive allosteric modulator with EC₅₀ of 195 nM, does not produce any positive allosteric modulator responses for mGluR1 and 3-8 subtypes; potentiates agonist-induced activation of mGluR2 in the membrane-binding assay and in primate cortex, hippocampus and striatum; decreases nicotine self-administration at doses (0.3-3 mg/kg) in monkeys, also reduces nicotine priming- and cue-induced reinstatement of nicotine seeking, decreases nicotine-induced accumbens dopamine release in rats. Schizophrenia Phase 2 Discontinued
Pathway	: GPCR/G Protein
Target	: mGluR
Receptor	: mGluR
Solubility	: —
SMILES	: <chem>CC1=CC(=CC2=C1C(=O)N(C2)CC3=CC=C(C=C3)OC(F)(F)F)C4=NC(=NO4)CN5CCNCC5</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Justinova Z, et al. Biol Psychiatry. 2015 Oct 1;78(7):452-62. | 2. Caprioli D, et al. Biol Psychiatry. 2015 Oct 1;78(7):463-73. | 3. Li X, et al. Psychopharmacology (Berl). 2016 May;233(10):1801-14. | 4. Augier E, et al. Neuropsychopharmacology. 2016 Nov;41(12):2932-2940.