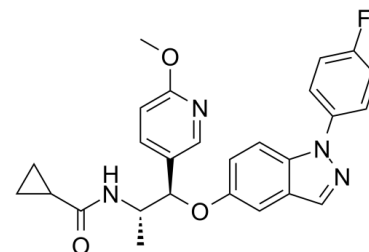


## Data Sheet

<b>Product Name:</b>	AZD2906
<b>Cat. No.:</b>	CS-0062957
<b>CAS No.:</b>	1034148-15-6
<b>Molecular Formula:</b>	C <sub>26</sub> H <sub>25</sub> FN <sub>4</sub> O <sub>3</sub>
<b>Molecular Weight:</b>	460.50
<b>Target:</b>	Glucocorticoid Receptor
<b>Pathway:</b>	GPCR/G Protein
<b>Solubility:</b>	DMSO : 125 mg/mL (271.44 mM; Need ultrasonic)



### BIOLOGICAL ACTIVITY:

AZD2906 is a selective **glucocorticoid receptor (GR)** agonist, increases micronucleated immature erythrocytes in the bone marrow of rats. AZD2906 shows **IC<sub>50</sub>s** of 2.2, 0.3, 41.6 and 7.5 nM at GR in human, rat PBMC and human, rat whole blood, respectively<sup>[1]</sup>. **IC<sub>50</sub> & Target:** IC<sub>50</sub>: 2.2 nM (Glucocorticoid receptor, Human PBMC), 0.3 nM (Glucocorticoid receptor, Rat PBMC), 41.6 nM (Glucocorticoid receptor, Human whole blood), 7.5 nM (Glucocorticoid receptor, Rat whole blood)<sup>[1]</sup> **In Vitro:** AZD2906 is a selective glucocorticoid receptor (GR), with **IC<sub>50</sub>s** of 2.2, 0.3, 41.6 and 7.5 nM at GR in human, rat PBMC and human, rat whole blood, respectively<sup>[1]</sup>. **In Vivo:** AZD2906 (5, 25, 50 mg/kg, p.o.) increases micronucleated immature erythrocytes (MIE) in the bone marrow of rats after treatment for 2 days<sup>[1]</sup>.

AZD2906 (5, 25 mg/kg, p.o.) induces an accumulation of glycogen in the liver of rats, and exhibits cortical lymphocytic atrophy of a moderate to marked degree in the thymus of rats<sup>[1]</sup>.

### References:

[1]. Hayes JE, et al. Micronucleus induction in the bone marrow of rats by pharmacological mechanisms. I: glucocorticoid receptor agonism. *Mutagenesis*. 2013 Mar;28(2):227-32.

### CAIndexNames:

Cyclopropanecarboxamide, N-[(1R,2S)-2-[[1-(4-fluorophenyl)-1H-indazol-5-yl]oxy]-2-(6-methoxy-3-pyridinyl)-1-methylethyl]-, rel-

### SMILES:

FC1=CC=C(N2N=CC3=CC(O[C@@H]([C@@H](NC(C4CC4)=O)C)C5=CC=C(N=C5)OC)=CC=C23)C=C1

**Caution: Product has not been fully validated for medical applications. For research use only.**

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