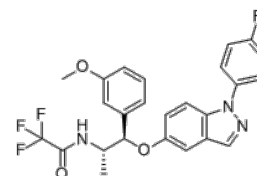


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<b>Product Name</b>	: AZD-5423
<b>Cat. No.</b>	: PC-20260
<b>CAS No.</b>	: 1034148-04-3
<b>Molecular Formula</b>	: C <sub>25</sub> H <sub>21</sub> F <sub>4</sub> N <sub>3</sub> O <sub>3</sub>
<b>Molecular Weight</b>	: 487.45
<b>Target</b>	: Glucocorticoid receptor (GR)
<b>Solubility</b>	: 10 mM in DMSO



## Biological Activity

AZD-5423 (AZD5423) is a potent, nonsteroidal, selective glucocorticoid receptor modulator with IC<sub>50</sub> of 49 pM for inhibition of AP-1 mediated transcription.

AZD-5423 displays a potent inhibition of lung edema in a rat model of allergic airway inflammation following dry powder inhalation combined with a moderate systemic GR-effect.

AZD5423 also is potent RIPK3 inhibitor, strongly inhibits activation of RIPK3, and MLKL phosphorylation upon cisplatin-, hypoxia/reoxygenation (H/R)- and TNF- $\alpha$  stimuli as compared with GSK872.

AZD5423 exerts effective protection against cisplatin- and ischemia/reperfusion (I/R)-induced AKI mouse model.

## References

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Werkström V, et al. Basic Clin Pharmacol Toxicol. 2016 Dec;119(6):574-581.

Hemmerling M, et al. J Med Chem. 2017 Oct 26;60(20):8591-8605.

Xu CH, et al. Int Immunopharmacol. 2022 Nov;112:109262.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

E-mail: tech@probechem.com

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