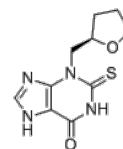


**Product Name** : AZD5904  
**Cat. No.** : PC-35219  
**CAS No.** : 618913-30-7  
**Molecular Formula** : C<sub>10</sub>H<sub>12</sub>N<sub>4</sub>O<sub>2</sub>S  
**Molecular Weight** : 252.292  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



### Biological Activity

AZD5904 (AZD-5904) is a potent, selective irreversible, orally bioavailable **myeloperoxidase (MPO)** inhibitor with IC<sub>50</sub> of 140 nM, similar potency in mouse and rat.

AZD5904 displays 10 to 19-fold selective compared to the closely related lactoperoxidase and thyroid peroxidase, >70-fold to a broad panel of other enzymes, ion channels, and receptors.

AZD5904 (1 μM) inhibited PMA stimulated HOCl by >90% in isolated human neutrophils.

AZD5904 has a plasma concentration of ~5 μM decreased the in vivo formation of glutathione sulphonamide in rats.

### References

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

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