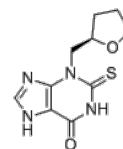


Product Name : AZD5904
Cat. No. : PC-35219
CAS No. : 618913-30-7
Molecular Formula : C₁₀H₁₂N₄O₂S
Molecular Weight : 252.292
Target : Other Targets
Solubility : 10 mM in DMSO



1. Tidén AK, et al. *J Biol Chem*. 2011;286(43):37578-37589.
 2. Campbell MJ, et al. *Hum Reprod*. 2021 Feb 18;36(3):560-570.

Biological Activity

AZD5904 (AZD-5904) is a potent, selective irreversible, orally bioavailable **myeloperoxidase (MPO)** inhibitor with IC₅₀ 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

