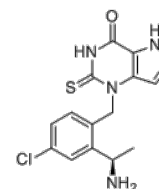


Product Name : AZD4831
Cat. No. : PC-49289
CAS No. : 1933460-19-5
Molecular Formula : C₁₅H₁₅ClN₄OS
Molecular Weight : 334.822
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

AZD4831 (Mitiperstat, AZD-4831) is a potent, selective and irreversible inhibitor of **myeloperoxidase** (MPO) with IC₅₀ of 1.5 nM, >450-fold vs thyroid peroxidase in vitro.

AZD4831 displayed moderate clearance and high oral bioavailability in rats.

AZD4831 AZD4831 dose dependently inhibited the peroxidase activity in lavage fluid in BALB/c mice with zymosan-induced neutrophilic peritonitis.

References

Tord Inghardt, et al. *J Med Chem*. 2022 Aug 25. doi: 10.1021/acs.jmedchem.1c02141.

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

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