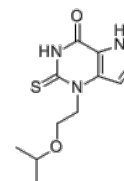


Product Name : Verdiperstat
Cat. No. : PC-63145
CAS No. : 890655-80-8
Molecular Formula : C₁₁H₁₅N₃O₂S
Molecular Weight : 253.32
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

Verdiperstat (AZD3241) is a potent, selective, reversible, orally active **myeloperoxidase (MPO)** inhibitor with IC₅₀ of 630 nM, >14-fold selectivity over thyroid peroxidase (TPO).

Verdiperstat (AZD3241) inhibits PMA stimulate neutrophils and zymosan stimulated whole blood with IC₅₀ of 80 nM.

Verdiperstat (AZD3241) efficiently inhibits MPO activity in vivo during acute peritonitis in rats and has consistently shown neuroprotective efficacy in MPTP-lesioned mice, a model of Parkinson's Disease.

Verdiperstat (AZD3241) also demonstrates significant neuroprotection in MSA mouse model.

References

Jucaite A, et al. *Brain*. 2015 Sep;138(Pt 9):2687-700.

Kaindlstorfer C, et al. *Neurotox Res*. 2015 Oct;28(3):185-94.

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

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