

Product Name : Verdiperstat

Synonyms : AZD-3241

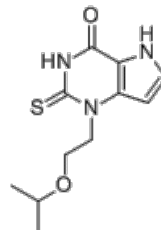
Cat No. : M16430

CAS Number : 890655-80-8

Molecular Formula : C₁₁H₁₅N₃O₂S

Formula Weight : 253.32

Chemical Name : 1-[2-(propan-2-yloxy)ethyl]-2-sulfanylidene-1,2,3,5-tetrahydro-4H-pyrrolo[3,2-d]pyrimidin-4-one



Description : Verdiperstat (AZD-3241) is a potent, selective, reversible, orally active myeloperoxidase (MPO) inhibitor with IC₅₀ of 630 nM, >14-fold selectivity over thyroid peroxidase (TPO); inhibits PMA stimulate neutrophils and zymosan stimulated whole blood with IC₅₀ of 80 nM, 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; also demonstrates significant neuroprotection in MSA mouse model. Spinal Muscular Atrophy (SMA) Phase 2 Discontinued

Pathway : Others

Target : Other Targets

Receptor : Other Targets

Solubility : DMSO : 150 mg/mL 592.14 mM

SMILES : O=C1N(C(=NC=C2)N(C2)COC(C)C)C1=S

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Jucaite A, et al. Brain. 2015 Sep;138(Pt 9):2687-700. 2. Kaindlstorfer C, et al. Neurotox Res. 2015 Oct;28(3):185-94.