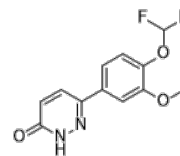


Product Name : Zardaverine
Cat. No. : PC-25667
CAS No. : 101975-10-4
Molecular Formula : C₁₂H₁₀F₂N₂O₃
Molecular Weight : 268.22
Target : Phosphodiesterase (PDE)
Solubility : 10 mM in DMSO



Biological Activity

Zardaverine is a potent, specific PDE III/IV (PDE3/4) inhibitor, inhibits PDE III from human platelets and the rolipram-inhibitable PDE IV from canine trachea and human polymorphonuclear (PMN) cells with IC₅₀ of 0.58, 0.79 and 0.17 μM, respectively.

Zardaverine inhibits the ADP-induced aggregation of human platelets with an IC₅₀ of 1.6 μM.

Zardaverine inhibits the zymosan-induced superoxide anion generation with IC₅₀ of 0.4 μM in human PMN cells.

References

Schudt C, et al. Agents Actions Suppl. 1991;34:379-402.

Schudt C, et al. Biochem Pharmacol. 1991 Jun 21;42(1):153-62.

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

E-mail: tech@probechem.com