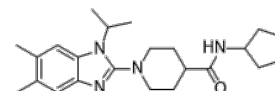


Product Name : mPGES-1 inhibitor Compound III
Cat. No. : PC-22479
CAS No. : 1268709-57-4
Molecular Formula : C₂₃H₃₄N₄O
Molecular Weight : 382.55
Target : PGE synthase
Solubility : 10 mM in DMSO



Biological Activity

mPGES-1 inhibitor Compound III is a selective murine/human microsomal prostaglandin E synthase-1 (mPGES-1) inhibitor with IC₅₀ of 0.9/0.09 uM respectively.

Compound III does not inhibit COX-1, COX-2, PGIS or H-PGDS and up to 50 μM.

Compound III (0.1-10 μM) inhibits PGE₂ synthesis in cultured A549 cells.

Compound III (20 uM) inhibits PGE₂ synthesis in human whole blood and isolated platelets.

Compound III (10-100 mg/kg) inhibits PGE₂ synthesis in the mouse air pouch model of inflammation.

References

Leclerc P, et al. Prostaglandins Other Lipid Mediat. 2013 Dec;107:26-34.

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

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