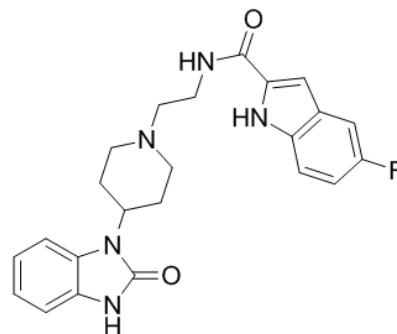


Product Name : FIPI
Cat. No. : PC-43220
CAS No. : 939055-18-2
Molecular Formula : C₂₃H₂₄FN₅O₂
Molecular Weight : 421.4674
Target : Phospholipase
Solubility : DMSO: 14.67 mg/mL



Biological Activity

FIPI (5-Fluoro-2-indolyl deschlorohalopemide) is a potent, in vivo active phospholipase D (**PLD**) inhibitor with IC₅₀ of 25 nM for both PLD1 and PLD2.

FIPI inhibits both the hydrolytic and transphosphatidyl transfer activities of PLD1 and PLD2, rapidly blocks in vivo phosphatidic acid (PA) production with subnanomolar potency (IC₅₀=0.5 nM), does inhibit PLD regulation of F-actin cytoskeleton reorganization, cell spreading, and chemotaxis.

FIPI attenuates mercury-induced lipid signaling leading to protection against cytotoxicity in aortic endothelial cells.

References

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- Olala LO, et al. *Mol Cell Endocrinol*. 2013 Feb 5;366(1):31-7.

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

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