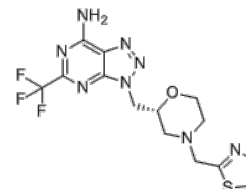


Product Name : PF-04957325
Cat. No. : PC-38701
CAS No. : 1305115-80-3
Molecular Formula : C₁₄H₁₅F₃N₈OS
Molecular Weight : 400.38
Target : Phosphodiesterase (PDE)
Solubility : 10 mM in DMSO



Biological Activity

PF-04957325 is a highly potent and selective **PDE8** inhibitor with IC₅₀ values of 0.7 nM and 0.3 nM for PDE8A and PDE8B, respectively.

PF-04957325 potentiates adrenocorticotropin stimulation of steroidogenesis by increasing cAMP-dependent protein kinase activity in both primary isolated adrenocortical cells and Y-1 cells.

PF-04957325 inhibits breast cancer cell migration by activation of cAMP signaling.

References

Tsai LC, et al. *Mol Pharmacol*. 2011 Apr;79(4):639-48.

Shimizu-Albergine M, et al. *Mol Pharmacol*. 2012 Apr;81(4):556-66.

Dong H, et al. *Breast Cancer Res Treat*. 2015 Jul;152(1):17-28.

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

E-mail: tech@probechem.com