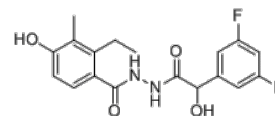


Product Name : EMD638683
Cat. No. : PC-21337
CAS No. : 1181770-72-8
Molecular Formula : C₁₈H₁₈F₂N₂O₄
Molecular Weight : 364.35
Target : SGK
Solubility : 10 mM in DMSO



Biological Activity

EMD638683 is a highly selective **SGK1** inhibitor, inhibits SGK1-dependent phosphorylation of NDRG1 with IC₅₀ of 3 μ M in Hela cells.

EMD638683 promotes radiation-induced suicidal death of colon tumor cells in vitro and decreases the number of colonic tumors following chemical carcinogenesis in vivo.

EMD638683 abrogates the salt sensitivity of blood pressure in hyperinsulinism without appreciably affecting blood pressure in the absence of hyperinsulinism in mice.

References

Ackermann TF, et al. *Cell Physiol Biochem*. 2011;28(1):137-46.

Towhid ST, et al. *Cell Physiol Biochem*. 2013;32(4):838-48.

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

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