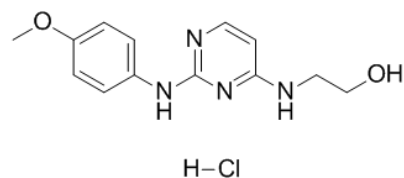


Product Name : Cardiogenol C hydrochloride
Cat. No. : PC-42972
CAS No. : 1049741-55-0
Molecular Formula : C₁₃H₁₇ClN₄O₂
Molecular Weight : 296.7527
Target : Wnt
Solubility : DMSO: ≥ 59 mg/mL



Biological Activity

Cardiogenol C is a small cell-permeable molecule that selectively and efficiently induce mouse embryonic stem cells (ESCs) to differentiate into cardiomyocytes with EC50 of 0.1 uM, activates **Wnt** signaling pathway. Cardiogenol C induces cardiac differentiation in P19 and in P19Cl6 cells, also induces hair bulge progenitor cells (HBPCs) to express transcription factors GATA4, Nkx2.5 and Tbx5. Cardiogenol C might exert its effect by activating the **Wnt** signaling pathway through the suppression of Kremen1.

References

- Jasmin, et al. *Stem Cells Dev.* 2010 Mar;19(3):403-12.
Yau WW, et al. *Proteome Sci.* 2011 Jan 19;9(1):3.
Mike AK, et al. *Cell Physiol Biochem.* 2014;33(1):205-21.
Wu X, et al. *J Am Chem Soc.* 2004 Feb 18;126(6):1590-1.

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

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