

Cardiogenol C hydrochloride

Catalog Number :6713912

RUO: For Research Use Only. Not for use in diagnostic procedures.

Product Information

Synonyms: AGN-PC-00SM9I, MLS006010775, 1049741-55-0

Chemical Name: 2-[[2-(4-methoxyanilino)pyrimidin-4-yl]amino]ethanol;hydrochloride

Molecular Formula: C₁₃H₁₆N₄O₂·HCl

Molecular Weight: 296.8

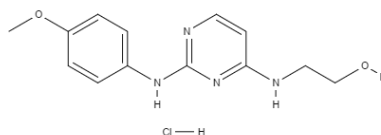
CAS Number: 671225-39-1

Purity: ≥97%

Applications: FA

Formulation: Crystalline solid

Storage: Product should be kept at -20°C.



Description

Cardiogenol C is a diaminopyrimidine compound that can selectively and efficiently induce mouse embryonic stem cells to differentiate into cardiomyocytes, or heart muscle cells.

Preparation & Storage

Soluble in organic solvents such as ethanol and DMSO.

References

1. Yau, W. W., Tang, M. K., Chen, E., Wong, I. W., Lee, H. S., Lee, K. K. (2011). Cardiogenol C can induce mouse hair bulge progenitor cells to transdifferentiate into cardiomyocyte-like cells.;Proteome science,;9(1), 3.
2. Wu, X., Ding, S., Ding, Q., Gray, N. S., Schultz, P. G. (2004). Small molecules that induce cardiomyogenesis in embryonic stem cells.;Journal of the American Chemical Society,;126(6), 1590-1591.
3. Lev, S., Kehat, I., Gepstein, L. I. O. R. (2005). Differentiation Pathways in Human Embryonic Stem Cell-Derived Cardiomyocytes.;Annals of the New York Academy of Sciences,;1047(1), 50-65.