



Data Sheet

Research Use Only

Compound Name

KY02111

Catalog Number

SM64

Activity

KY02111 is a Wnt signaling pathway inhibitor.

Alternative Names

N-(6-Chloro-2-benzothiazolyl)-3,4-dimethoxy-benzenepropanamide

Effect

KY02111 promotes differentiation of human pluripotent stem cells (hPSCs) to cardiomyocytes by inhibiting Wnt signaling in hPSCs in a manner that is distinct from that of previously studied Wnt inhibitors. The substantial (98%) differentiation of hPSCs to cardiomyocytes with KY02111 is achieved in xeno-free and cytokine-free conditions.

Purity

>98%

CAS

1118807-13-8

Formula

$C_{18}H_{17}ClN_2O_3S$

Molecular Weight

376.86

Solubility

DMSO

Stability

Stable at -20°C. Keep away from direct sunlight.

References

1. Minami, I., et al. 2012. Cell Rep. 2(5): 1448-1460. PMID: 23103164