

KY02111

Catalog Number :1111388

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

Product Information

Synonyms: KY 02111, KY-02111, ChEMBL3186128, HY-13815, S-7828

Chemical Name: N-(6-chloro-1,3-benzothiazol-2-yl)-3-(3,4-dimethoxyphenyl)propanamide

Molecular Formula: C₁₈H₁₇ClN₂O₃S

Molecular Weight: 376.9

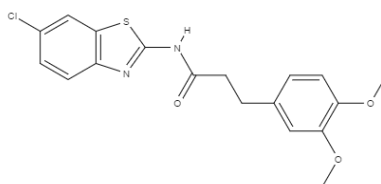
CAS Number: 1118807-13-8

Purity: ≥95%

Applications: FA

Formulation: Crystalline solid

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



Description

KY02111 is a Wnt signaling inhibitor that functions through a mechanism distinct from Endo-IWR-1, IWP-2, and IWP-4. It is used to promote the differentiation of human pluripotent stem cells to cardiomyocytes.

Preparation & Storage

Soluble in organic solvents such as DMSO. DMSO up to 25mM.

References

1. Nakatsuji, N., Kawase, E., Miyazaki, T., Minami, I., Aiba, K. (2013). Multidisciplinary research of human pluripotent stem cells for application to cell therapy and drug discovery.;Tissue Engineering and Regenerative Medicine,10(4), 160-163.
2. Morgan, J. T., Raghunathan, V. K., Chang, Y. R., Murphy, C. J., Russell, P. (2015). Wnt inhibition induces persistent increases in intrinsic stiffness of human trabecular meshwork cells.;Experimental eye research,;132, 174-178.
3. Li, W., Li, K., Wei, W., Ding, S. (2013). Chemical approaches to stem cell biology and therapeutics.;Cell stem cell,;13(3), 270-283.
4. ;