

HPI-1

Catalog Number :5992065

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

Product Information

Synonyms: ST093553, AC1MFWGY, Hedgehog pathway inhibitor 1

Chemical Name: 2-methoxyethyl 4-(3-hydroxyphenyl)-7-(2-methoxyphenyl)-2-methyl-5-oxo-4,6,7,8-tetrahydro-1H-quinoline-3-carboxylate

Molecular Formula: C₂₇H₂₉NO₆

Molecular Weight: 463.5

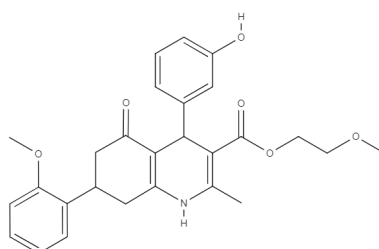
CAS Number: 599150-20-6

Purity: ≥95%

Applications: FA

Formulation: Crystalline solid

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



Description

HPI-1 is a hedgehog (Hh) signaling inhibitor without significantly effecting Wnt signaling. It inhibits Gli1 and Gli2 induced activation and the proliferation of SmoM2 expressing cell lines.

Preparation & Storage

Soluble in organic solvents such as ethanol or DMSO.

References

- Xu, Y., Chenna, V., Hu, C., Sun, H. X., Khan, M., Bai, H., ... Anders, R. A. (2012). Polymeric nanoparticle-encapsulated hedgehog pathway inhibitor HPI-1 (NanoHHI) inhibits systemic metastases in an orthotopic model of human hepatocellular carcinoma.;*Clinical Cancer Research*,;18(5), 1291-1302.
- Hyman, J. M., Firestone, A. J., Heine, V. M., Zhao, Y., Ocasio, C. A., Han, K., ... Chen, J. K. (2009). Small-molecule inhibitors reveal multiple strategies for Hedgehog pathway blockade.;*Proceedings of the National Academy of Sciences*,;106(33), 14132-14137.
- Merchant, A. A., Matsui, W. (2010). Targeting Hedgehog—a cancer stem cell pathway.;*Clinical Cancer Research*,;16(12), 3130-3140.