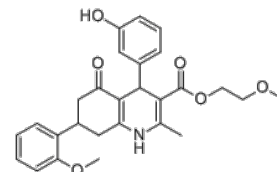


Product Name : HPI-1
Cat. No. : PC-62179
CAS No. : 599150-20-6
Molecular Formula : C₂₇H₂₉NO₆
Molecular Weight : 463.5
Target : Hedgehog (Hh)
Solubility : 10 mM in DMSO



Biological Activity

HPI-1 is a Hedgehog (Hh) pathway inhibitor that suppresses signaling through **Shh** (IC₅₀=1.5 μM) without significantly affecting Wnt signaling (IC₅₀>30 μM).

HPI-1 suppresses Hh activation induced by loss of Suppressor of Fused or by Gli overexpression.

HPI-1 inhibits signaling through the oncogenic Smoothed (Smo) mutant SmoM2 in neuron precursors, preventing cell proliferation.

References

Hyman JM, et al. *Proc Natl Acad Sci U S A*. 2009 Aug 18;106(33):14132-7.

Xu Y, et al. *Clin Cancer Res*. 2012 Mar 1;18(5):1291-302.

Chenna V, et al. *Mol Cancer Ther*. 2012 Jan;11(1):165-73.

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

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