

Product Name	: HPI-1
Synonyms	: HPI1
Cat No.	: M15228
CAS Number	: 599150-20-6
Molecular Formula	: C ₂₇ H ₂₉ NO ₆
Formula Weight	: 463.50
Chemical Name	: 1,4,5,6,7,8-Hexahydro-4-(3-hydroxyphenyl)-7-(2-methoxyphenyl)-2-methyl-5-oxo-3-quinolinecarboxylic acid 2-methoxyethyl ester
Description	: HPI-1 is a Hedgehog (Hh) pathway inhibitor that suppresses signaling through Shh (IC ₅₀ =1.5 uM) without significantly affecting Wnt signaling (IC ₅₀ >30 uM); suppresses Hh activation induced by loss of Suppressor of Fused or by Gli overexpression; inhibits signaling through the oncogenic Smoothened (Smo) mutant SmoM2 in neuron precursors, preventing cell proliferation.
Pathway	: GPCR/G Protein
Target	: Hedgehog (Hh)
Receptor	: Hedgehog (Hh)
Solubility	: —
SMILES	: <chem>CC1=C(C(C2=C(N1)CC(CC2=O)C3=CC=CC=C3OC)C4=CC(=CC=C4)O)C(=O)OCCOC</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Hyman JM, et al. Proc Natl Acad Sci US A. 2009 Aug 18;106(33):14132-7. | 2. Xu Y, et al. Clin Cancer Res. 2012 Mar 1;18(5):1291-302. | 3. Chenna V, et al. Mol Cancer Ther. 2012 Jan;11(1):165-73.

