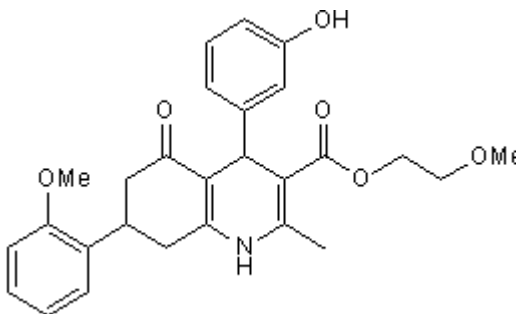


Product Name: HPI 1 **Catalog No.:** 3839 **Batch No.:** 1
CAS Number: 599150-20-6
IUPAC Name: 1,4,5,6,7,8-Hexahydro-4-(3-hydroxyphenyl)-7-(2-methoxyphenyl)-2-methyl-5-oxo-3-quinolinecarboxylic acid 2-methoxyethyl ester

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₇H₂₉NO₆·½H₂O
Batch Molecular Weight: 472.53
Physical Appearance: Beige solid
Solubility: DMSO to 100 mM
 ethanol to 100 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 95.5% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	68.63	6.4	2.96
Found	68.76	6.28	2.85

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

Hedgehog (Hh) signaling inhibitor. Inhibits Sonic hedgehog (Shh)-, SAG- and Gli-induced Hh pathway activation in Shh-LIGHT2 cells (IC₅₀ values are 1.5, 1.5, 4 and 6 μM for Shh-, SAG-, Gli2- and Gli1-induced activation). Also inhibits Hh pathway activation in SmoM2-LIGHT cells (IC₅₀ = 2.5 μM); inhibits the proliferation of cerebellar granule neuron precursors expressing SmoM2. Does not inhibit Wnt signaling.

Physical and Chemical Properties:

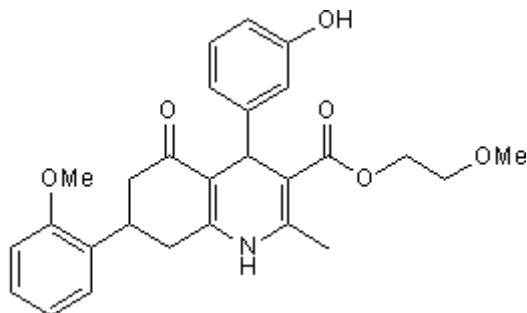
Batch Molecular Formula: C₂₇H₂₉NO₆ · ½H₂O

Batch Molecular Weight: 472.53

Physical Appearance: Beige solid

Minimum Purity: >95%

Batch Molecular Structure:



References:

Hyman *et al* (2009) Small-molecule inhibitors reveal multiple strategies for Hedgehog pathway blockade. *Proc.Natl.Acad.Sci.USA* **106** 14132. PMID: 19666565.

Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 100 mM
ethanol to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

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