

Product Name: HLM 006474

Catalog No.: 5283

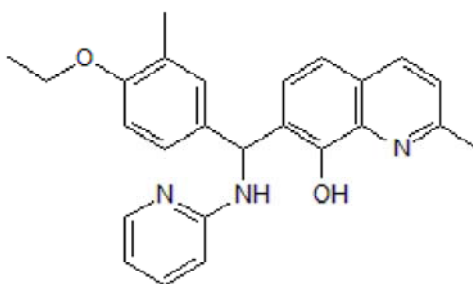
Batch No.: 1

CAS Number: 353519-63-8

IUPAC Name: 7-[(4-Ethoxy-3-methylphenyl)(2-pyridinylamino)methyl]-2-methyl-8-quinolinol

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₅H₂₅N₃O₂
Batch Molecular Weight: 399.48
Physical Appearance: Off White solid
Solubility: DMSO to 20 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.4% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	75.16	6.31	10.52
Found	75.16	6.31	10.51

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

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Description:

E2F transcription factor inhibitor; inhibits E2F DNA binding activity. Inhibits E2F4 DNA binding and reduces E2F4 protein levels in A375 melanoma cells. Induces apoptosis of A375 and MDA-MB-231 breast cancer cells. Inhibits A375 proliferation and invasion in a three dimensional skin model of A375 invasion. Also attenuates human embryonic stem cell proliferation.

Physical and Chemical Properties:

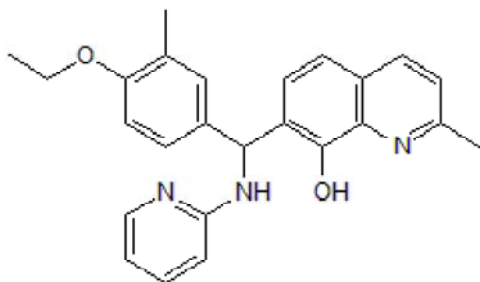
Batch Molecular Formula: C₂₅H₂₅N₃O₂

Batch Molecular Weight: 399.48

Physical Appearance: Off White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at -20°C

CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

Solubility & Usage Info:

DMSO to 20 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.

References:

Conklin *et al* (2012) The RB family is required for the self-renewal and survival of human embryonic stem cells. *Nat. Commun.* **3** 1244. PMID: 23212373.

Ma *et al* (2008) A small-molecule E2F inhibitor blocks growth in a melanoma culture model. *Cancer Res.* **68** 6292. PMID: 18676853.

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