Piperlonguminine

ALTERNATE NAME: (2E, 4E)-5-(Benzo[d][1,3]-dioxol-5-yl)-N-isobutylpenta-2,4-dienamide

CATALOG #: 1988-10, 50

AMOUNT: 10 mg, 150 mg

STRUCTURE:

MOLECULAR FORMULA: C_{16}H_{19}NO_{3}

MOLECULAR WEIGHT: 273.33

CAS NUMBER: 5950-12-9

APPEARANCE: White solid

SOLUBILITY: DMSO

PURITY: ≥98% by HPLC

STORAGE: Store at -20 °C. Protect from light.

DESCRIPTION: Piperlonguminine is a known alkaloid amide from peppers, including Piper divaricatum. Acts as a potent anticancer agent. Displays inhibitory effect on alpha-melanocyte-stimulating hormone (alpha-MSH)-induced melanogenesis in melanoma B16 cells (IC_{50} = 9.6 µM). The mode of action is through the inhibition of alpha-MSH-induced tyrosinase synthesis.


HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

FOR RESEARCH USE ONLY! Not to be used on humans.