

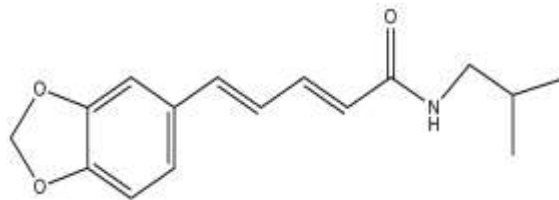
Piperlonguminine

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: C₁₆H₁₉NO₃

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 (IC₅₀ = 9.6 μM). The mode of action is through the inhibition of alpha-MSH-induced tyrosinase synthesis.

REFERENCE: Bezerra, D.P., *et al.* (2008). *J. Appl. Toxicol.* **28**, 599-607; Min, K.R., *et al.* *Planta Med.* **70**, 1115-1118.

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

RELATED PRODUCTS:

- Piperlongumine (Cat. No. 1919-10, 50)

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