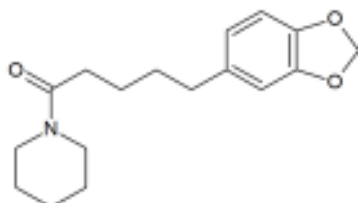


Tetrahydropiperine

ALTERNATE NAME: Tetrahydropiperin
5-(1,3-benzodioxol-5-yl)-1-piperidin-1-ylpentan-1-one

CATALOG #: B2782-1 1 mg
B2782-5 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₇H₂₃NO₃

MOLECULAR WEIGHT: 289.4

CAS NUMBER: 23434-88-0

APPEARANCE: Crystalline solid

PURITY: ≥95%

SOLUBILITY: ~10 mg/ml DMSO

DESCRIPTION: Tetrahydropiperine is a derivative of piperine (Cat. No. B2086) that displays various biological activities. It acts as an agonist of transient receptor potential vanilloid type 1 (TRPV1; EC₅₀ = 6.3 μM). It inhibits the cytochrome P450 (CYP) isoform CYP1A1/arylhydrocarbon hydroxylase (AHH; IC₅₀ = 23 μM) and 7-methoxycoumarin O-demethylase (MOCD) activity (IC₅₀ = 25 μM) in rat liver microsomes.

STORAGE TEMPERATURE: -20°C. Protect from light

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

RELATED PRODUCTS:

Piperlongumine (1919)
Piperlonguminine (1988)
Piperine (B2086)

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