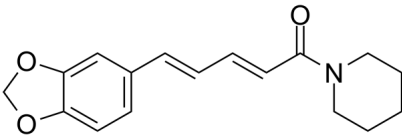


Certificate of Analysis

Catalog Number	BP12900
Product Name	Piperine

Physical and Chemical Properties

Synonyms	Bioperine, 1-Piperoylpiperidine
CAS No.	94-62-2
Chemical Formula	C ₁₇ H ₁₉ NO ₃
Molecular Weight	285.35
Solubility	Ethanol: 57 mg/mL (199.76 mM) DMSO: 57 mg/mL (199.76mM); H ₂ O: <1 mg/mL
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Product Information

Description	1-piperoylpiperidine, (E,E)-, a alkaloid, has been used in trials studying the treatment of multiple myeloma and deglutition disorders.
Targets&IC50	P-glycoprotein:61.94±0.054 µg/mL, CYP3A4:61.94±0.054 µg/mL

Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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