

Cu(II)GTSM biochemical

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CATALOG #
AAA228854

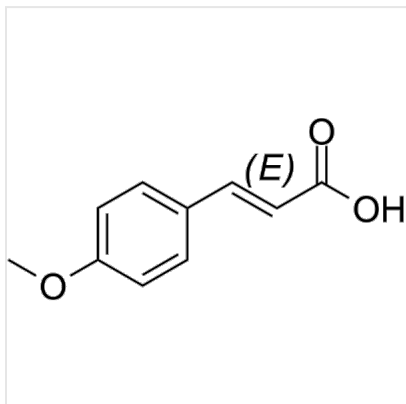
PRODUCT SYNONYMS

Cu(II)GTSM; Cu(II)GTSM biochemical

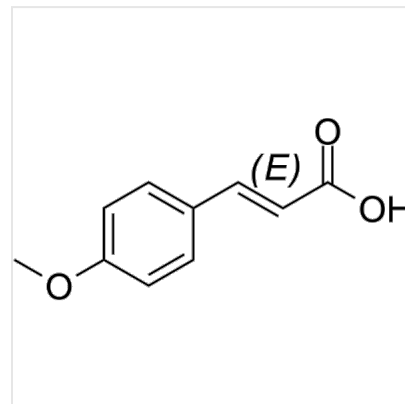
PRODUCT SPECIFICATIONS

Purity/Purification	98%
CAS	68341-14-0
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	Cu(II)GTSM decreases brain Abeta trimer levels in AD mice, and can reverse cognitive deficits in APP/PS1 transgenic AD mice[2]. Animal Model: AD mice (K670N, M671L; 5-6 months old)[2]. Dosage: 10 mg/kg. Administration: Daily; p.o. Result: Restores cognitive performance of the AD mice to levels expected for healthy, cognitively normal mice.
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
E)-3-(4-Methoxyphenyl)acrylic acid, CAS 943-89-5



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ADDITIONAL INFORMATION

Related Product Information for Cu(II)GTSM biochemical	Cu(II)GTSM, a cell-permeable Cu-complex, significantly inhibits GSK3beta. Cu(II)GTSM inhibits Amyloid-beta oligomers (AbetaOs) and decreases tau phosphorylation. Cu(II)GTSM also decreases the abundance of Amyloid-beta trimers. Cu(II)GTSM is a potential anticancer and antimicrobial agent.
References	1. Sirichan Tachai, et al. Uncommon secondary metabolites from Etlingera pavieana rhizomes. Nat Prod Res. 2016 Oct;30(19):2215-9.

NCBI AND UNIPROT INFORMATION

Molecular Weight	178.187
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/biochemical/cu-ii-gtsm/228854>