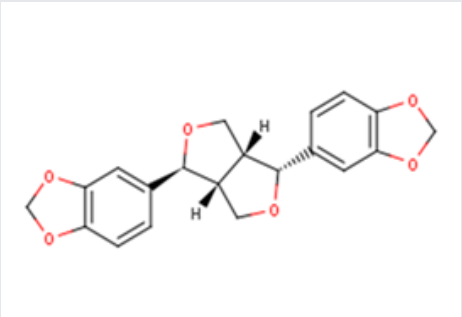
L-asarinin Inhibitor

PRODUCT OVERVIEW

Product Name	L-asarinin, Inhibitor
Full Product Name	L-asarinin
Product Synonym Names	(-)-Episesamin
Form/Format	Solid. Powder
Purity/Purification	98.00%
Preparation and Storage	Store at -20 degree C for 3 years powder -80 degree C for 2 years in solvent
Molecular Weight	354.36
Solubility	DMSO: Soluble Chloroform: Soluble Dichloromethane: Soluble Ethyl Acetate: Soluble Acetone: Soluble Chloroform, Dichloromethane, Ethyl Acetate, Acetone, etc.: Soluble (<1mg/ml refers to the product slightly soluble or insoluble)
Formula	C20H18O6
SMILES	C5O[C@@H](c1ccc2OCOc2c1)[C@H]6CO[C@H](c3ccc4OCOc4c3)[C@@H]56
CAS Number	133-05-1
Target & IC50	Others
Kinase Assay	Samples containing either URB602 (300uM), MGL (1.4 pM), or both URB602 and MGL are incubated at 37 degree C for 30 min in assay buffer. At various time points, the reaction is stopped with an equal volume of ice-cold methanol and directly analyzed in positive ionization mode by LC/MS. A SB-CN column (150x2.1mM i.d., 5uM) eluted is used with a linear gradient of methanol in water containing 0.25% acetic acid and 5mM ammonium acetate (from 60% to 100% of methanol in 8 min) at a flow rate of 0.5mL/min with column temperature at 50 degree C. Capillary voltage is set at 4 kV and fragmentor voltage is 100V. Nebulizer pressure is set at 60psi. N2 is used as drying gas at a flow rate of 13 liters/min and a temperature of 350 degree C. ESI is in the positive mode and a full scan spectrum is acquired from m/z 100 to 600. Extracted ion chromatograms are used to quantify URB602 ([M+H]+, m/z 296)[2].
Related Product Information for L-asarinin, inhibitor	Asarinin reduces peripheral blood concentration of IL-12 and inhibits the expression of CXCR3 and TLR4, which means Asarinin may have a role on the TLR4 pathway and produce prolongation of allograft heart survival.
Product References and Citations for L-asarinin, inhibitor	Gu J., et al. The effect of Asarinin on Toll-like pathway in rats after cardiac allograft implantation. Transplant Proc. 2015 Mar;47(2):545-8. Gu J., et al. The effect of Asarinin on Toll-like pathway in rats after cardiac allograft implantation. Transplant Proc. 2015 Mar;47(2):545-8. Bogurcu N., et al. ALCAPs induce mitochondrial apoptosis and activate DNA damage response by generating ROS and inhibiting topoisomerase I enzyme activity in K562 leukemia cell line. Biochem Biophys Res Commun. 2011 Jun 17;409(4):738-44. Bogurcu N., et al. ALCAPs induce mitochondrial apoptosis and activate DNA damage response by generating ROS and inhibiting topoisomerase I enzyme activity in K562 leukemia cell line. Biochem Biophys Res Commun. 2011 Jun 17;409(4):738-44.
Other Notes	Small volumes of L-asarinin, inhibitor vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for L-asarinin purchase	MBS5758070 is an inhibitor targeting L-asarinin.



Structure of L-asarinin, inhibitor

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/inhibitor/l-asarinin/5758070