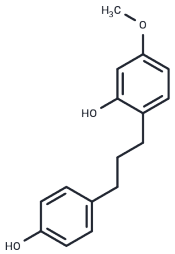
Data Sheet (Cat.No.TN3539)

TargetMol®
A DRUG SCREENING EXPERT

Broussonin A

Chemical Properties



CAS No. : 73731-87-0

Formula: C16H18O3

Molecular Weight: 258.317

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	Broussonins A and B, new phytoalexins from diseased paper mulberry. Broussonin A shows estrogenic activity with ligand-binding activity of estrogen receptor, transcriptional activity of estrogen-responsive element-luciferase reporter genes. Broussonin A can significantly inhibit adipocyte differentiation in 3T3-L1 cells as measured fat accumulation using Oil Red O assay; it suppresses lipopolysaccharide (LPS)-stimulated inducible nitric oxide synthase (iNOS) expression at the transcriptional level through modulating NF-Î°B and down-regulation of the Akt and ERK signaling pathways.
Targets(IC50)	ERK,IL Receptor,IκB/IKK,NOS,NF-κB,Akt

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8712 mL	19.3558 mL	38.7117 mL
5 mM	0.7742 mL	3.8712 mL	7.7423 mL
10 mM	0.3871 mL	1.9356 mL	3.8712 mL
50 mM	0.0774 mL	0.3871 mL	0.7742 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

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