4',5-Dihydroxyflavone Inhibitor

PRODUCT OVERVIEW

Product Name	4',5-Dihydroxyflavone, Inhibitor
Full Product Name	4',5-Dihydroxyflavone
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	254.24
Solubility	DMSO: 155mg/mL (69.66mM) (<1mg/ml refers to the product slightly soluble or insoluble)
Formula	C15H10O4
SMILES	Oc(cc1)ccc1C(Oc1c2c(O)ccc1)=CC2=O
CAS Number	6665-67-4
Target & IC50	LOX-1: ic50 102.6uM (ki) alpha-Glucosidase: ic50 66uM
Product Categories/Family for 4',5-Dihydroxyflavone, inhibitor	Metabolism; Lipoxygenase
Related Product Information for 4',5-Dihydroxyflavone, inhibitor	4',5-Dihydroxyflavone is a soybean LOX-1(Ki: 102.6uM) and yeast alpha-Glucosidase inhibitor (IC50: 66uM).
Product References and Citations for 4',5-Dihydroxyflavone, inhibitor	Ribeiro D, et al. Inhibition of LOX by flavonoids: a structure-activity relationship study. Eur J Med Chem. 2014 Jan 24;72:137-45. Ribeiro D, et al. Inhibition of LOX by flavonoids: a structure-activity relationship study. Eur J Med Chem. 2014 Jan 24;72:137-45. Proena§a C, et al. alpha-Glucosidase inhibition by flavonoids: an in vitro and in silico structure-activity relationship study. J Enzyme Inhib Med Chem. 2017 Dec;32(1):1216-1228. Proena§a C, et al. alpha-Glucosidase inhibition by flavonoids: an in vitro and in silico structure-activity relationship study. J Enzyme Inhib Med Chem. 2017 Dec;32(1):1216-1228.
Other Notes	Small volumes of 4',5-Dihydroxyflavone, 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 4',5-Dihydroxyflavone purchase	MBS5759069 is an inhibitor targeting 4',5-Dihydroxyflavone.

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MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/inhibitor/45-dihydroxyflavone/5759069