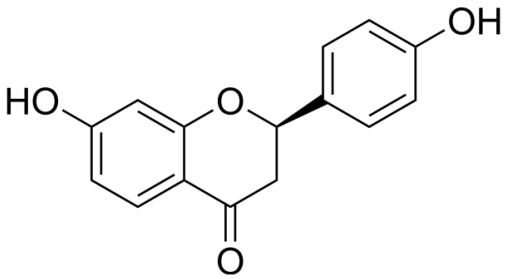
Product Data Sheet

Product Name: (R)-Liquiritigenin
Cat. No.: GC79783

Chemical Properties

Cas. No.	211178-39-1		
Formula	$C_{15}H_{12}O_4$	M.Wt	256.25
Solubility	DMSO: ≥ 10 mg/mL (39.02 mM)	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			



Background

(R)-Liquiritigenin ((R)-4',7-Dihydroxyflavanone) is a MAO inhibitor that acts as an inhibitor of recombinant human MAO-A (IC_{50} 9.97 μM) and recombinant human MAO-B (IC_{50} 3.91 μM). (R)-Liquiritigenin is applicable to the research of neurodegenerative diseases [1].

In Vitro, (R)-Liquiritigenin (0.001-100 μM; 10 min pre-incubation, 20 min enzyme-substrate incubation) preferentially inhibits recombinant human MAO-B over MAO-A, with an IC_{50} of 3.91 μM for MAO-B and 9.97 μM for MAO-A[1].

Caution: Product has not been fully validated for medical applications. For research use only.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

References:

[1]. Mohamed EI, et al. Monoamine oxidases inhibitors from Colvillea racemosa: Isolation, biological evaluation, and computational study. Fitoterapia. 2018 Jan;124:217-223.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA