
Product Data Sheet

Product Name: Clitorin
 Cat. No.: GC35709

Chemical Properties

Cas. No. 55804-74-5

SMILES O=C1C(O[C@H]2[C@@H]([C@H]([C@H](O)[C@@H](CO[C@H]3[C@@H]([C@@H]([C@@H](O)[C@H](C)O3)O)O)O2)O)[C@@]4([H])[C@@H]([C@@H]([C@@H](O)[C@H](C)O4)O)O)=C(C5=CC=C(O)C=C5)OC6=CC(O)=CC(O)=C61

Formula C₃₃H₄₀O₁₉ M.Wt 740.66

Solubility DMSO : 100 mg/mL (135.01 mM; Need ultrasonic) 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

Clitorin is a flavonol glycoside that has been found in *Clitoria*.¹ It has antioxidant activity in an online ABTS⁺-capillary electrophoresis-diode array detector (ABTS⁺-CE-DAD) antioxidant screening assay but is inactive in a DPPH scavenging assay.^{2,3}

1.Kazuma, K., Noda, N., and Suzuki, M. Malonylated flavonol glycosides from the petals of *Clitoria ternatea* *Phytochemistry* 62(2)229-237(2003) 2.Ma, H., Li, J., An, M., et al. A powerful on line ABTS⁺-CE-DAD method to screen and quantify major antioxidants for quality control of Shuxuening Injection *Sci. Rep.* 8(1)5441(2018) 3.Chevalley, I., Marston, A., and Hostettmann, K. New phenolic radical scavengers from *Saxifraga cuneifolia* *Pharm. Biol.* 38(3)222-228(2000)

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

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