

Product Data Sheet

Product Name: Silybin
Cat. No.: GC41533

Chemical Properties

Cas. No. 802918-57-6

SMILES OC1=CC(O)=CC(O[C@H](C2=CC3=C(OC(CO)C(C4=CC(OC)=C(O)C=C4)O3)C=C2)[C@H]5O)=C1C5=O

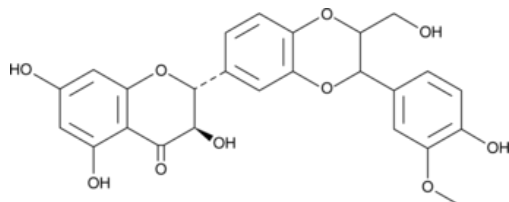
Formula $C_{25}H_{22}O_{10}$ M.Wt 482.4

Solubility DMF: 20 mg/ml, DMF:PBS (pH 7.2) (1:9): .5 mg/ml, DMSO: 10 mg/ml, Ethanol: .1 mg/ml
Storage Store at -20°C, protect from light

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

Silybin is the major flavonolignan found in milk thistle (*S. marianum*). It inhibits wild mushroom tyrosinase ($IC_{50} = 1.7 \mu M$). Silybin scavenges superoxide radicals ($IC_{50} = 55.2 \mu M$) and inhibits lipid peroxidation in vitro ($IC_{50} = 73.92 \mu M$).

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