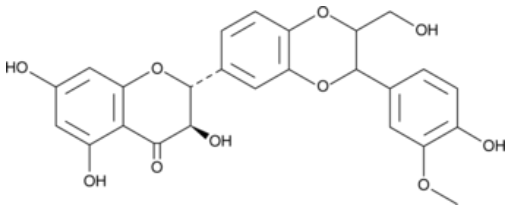
Product Data Sheet

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 (IC50 = 1.7 μM). Silybin scavenges superoxide radicals (IC50 = 55.2 μM) and inhibits lipid peroxidation in vitro (IC50 = 73.92 μM).

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