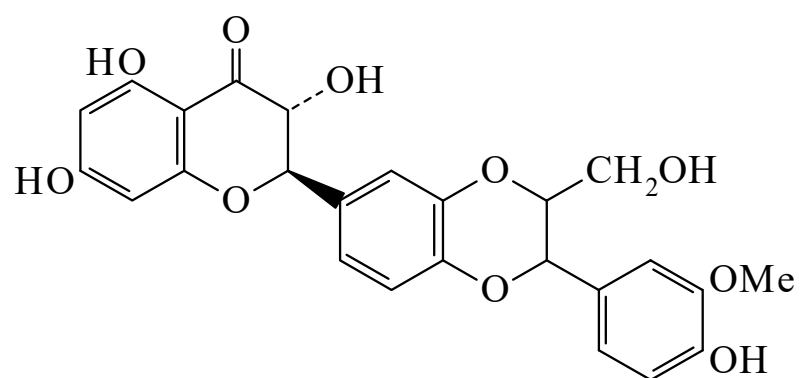




>>Entry Name: Isosilybin



**CAS Registry Number:** 72581-71-6

**Molecular Formula:** C<sub>25</sub>H<sub>22</sub>O<sub>10</sub>

**Molecular Weight:** 482.443

**Accurate Mass:** 482.1213

**Percentage Composition:** C 62.24%; H 4.60%; O 33.16%

**Biological Source:** Constit. of *Silybum marianum*

**Use/Importance:** Antihepatotoxic principle

**Physical Description:** Cryst.

**Melting Point:** Mp 239-241°

**Optical Rotation:** [ $\alpha$ ]<sub>D</sub> +16.9 (Me<sub>2</sub>CO)

**UV:** [neutral]  $\lambda_{\text{max}}$  288 (); 322 () (MeOH)

**Other Data:** Component of Silymarin, crude milk thistle extract.

#### References:

Arnone, A. *et al.*, *Chem. Comm.*, 1979, 696, (*isol, struct*)

Merlini, L. *et al.*, *J.C.S. Perkin 1*, 1980, 775, (*synth*)

Meriçli, A.H., *Planta Med.*, 1988, **54**, 44, (*isol*)