

Product Data Sheet

Product Name: Siderin
Cat. No.: GC71935

Chemical Properties

Cas. No. 53377-54-1

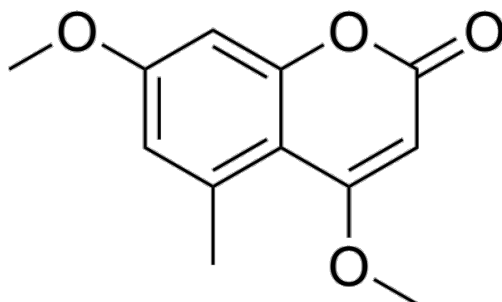
Formula $C_{12}H_{12}O_4$ M.Wt 220.22

Solubility Storage

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

Siderin is a Photosystem II inhibitor that effectively inhibits ATP synthesis and chloroplast electron transport during photosynthesis in isolated spinach. Siderin can be used in the study of plant photosynthesis.

References:

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

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[1]. Veiga TA, et al. Siderin from *Toona ciliata* (Meliaceae) as photosystem II inhibitor on spinach thylakoids. Arch Biochem Biophys. 2007 Sep 1;465(1):38-43.

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