

Product Data Sheet

Product Name: Aloin(mixture of A&B)

Cat. No.: GC35300

Chemical Properties

Cas. No. 8015-61-0

SMILES O=C1C2=C(C=CC=C2O)C([C@H]3[C@@H]([C@H]([C@@H]([C@@H](CO)O3)O)O)O)C4=CC(CO)=CC(O)=C14

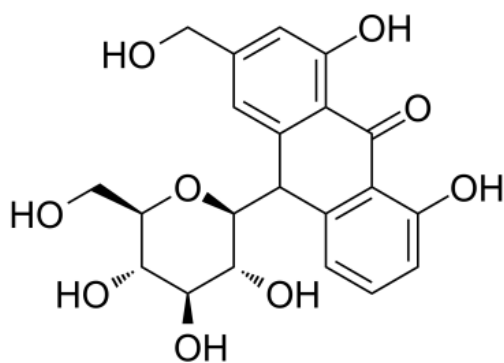
Formula $C_{21}H_{22}O_9$ M.Wt 418.39

Solubility DMSO : 100 mg/mL (239.01 mM; Need ultrasonic) Storage 4°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

Aloin (mixture of A&B) is anthraquinone derivative isolated from Aloe vera. Aloin (mixture of A&B) has diverse biological activities such as anti-inflammatory, immunity, antidiabetic, antioxidant, antibacterial, antifungal, and antitumor activities. Aloin (mixture of A&B) also an effective inhibitor of stimulated granulocyte matrix metalloproteinases (MMPs)[1][2]. MMPs[2]

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

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[1]. Jiang M, et al. Evaluation of the Antioxidative, Antibacterial, and Anti-Inflammatory Effects of the Aloe Fermentation Supernatant Containing Lactobacillus plantarum HM218749.1. Mediators Inflamm. 2016;2016:2945650. [2]. Barrantes E, et al. Inhibition of collagenase and metalloproteinases by aloins and aloe gel. Life Sci. 2003 Jan 3;72(7):843-50.

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