

## 6-Deoxyjacareubin

## Chemical Properties

CAS No. : 16265-56-8

Formula: C<sub>18</sub>H<sub>14</sub>O<sub>5</sub>

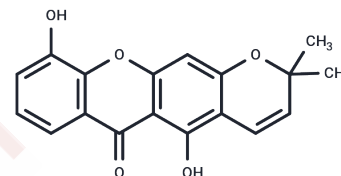
Molecular Weight: 310.3

Store at low temperature, Keep away from direct sunlight

Storage:

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	6-Deoxyjacareubin exhibits potent antioxidant and antifungal activities. 6-Deoxyjacareubin inhibits platelet activating factor (PAF) receptor with an IC <sub>50</sub> of 29.0 microM and can be used in studies about natural PAF receptor antagonists.
Targets(IC <sub>50</sub> )	Antioxidant, Reactive Oxygen Species, Platelet aggregation, Antifection, PAFR
In vitro	6-Deoxyjacareubin shows antifungal activity against Cladosporium cucumerinum, while it shows differing degrees of inhibition of monoamine oxidase A and B[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2227 mL	16.1134 mL	32.2269 mL
5 mM	0.6445 mL	3.2227 mL	6.4454 mL
10 mM	0.3223 mL	1.6113 mL	3.2227 mL
50 mM	0.0645 mL	0.3223 mL	0.6445 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Inhibitory effects of xanthenes on platelet activating factor receptor binding in vitro. J Ethnopharmacol. 2001 May; 75(2-3):287-90.

Antioxidant phenolic compounds of cassava (Manihot esculenta) from Hainan. Molecules. 2011 Dec 7;16(12): 10157-67.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481