

## Justicidin A

## Chemical Properties

CAS No. : 25001-57-4

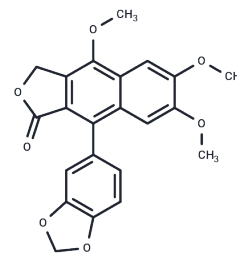
Formula: C<sub>22</sub>H<sub>18</sub>O<sub>7</sub>

Molecular Weight: 394.37

Storage: Keep away from moisture, Keep away from direct sunlight

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	Justicidin A is a type of bioactive chemical from <i>Justica procumbens</i> .
Targets(IC <sub>50</sub> )	Apoptosis

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5357 mL	12.6784 mL	25.3569 mL
5 mM	0.5071 mL	2.5357 mL	5.0714 mL
10 mM	0.2536 mL	1.2678 mL	2.5357 mL
50 mM	0.0507 mL	0.2536 mL	0.5071 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

Youm J, Lee H, Choi Y, Yoon J. DW2008S and its major constituents from *Justicia procumbens* exert anti-asthmatic effect via multitargeting activity. *J Cell Mol Med*. 2018 May;22(5):2680-2691. doi: 10.1111/jcmm.13550. Epub 2018 Mar 7. PubMed PMID: 29512870; PubMed Central PMCID: PMC5908124.

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Chun YS, Kim J, Chung S, Khorombi E, Naidoo D, Nthambeleni R, Harding N, Maharaj V, Fouche G, Yang HO. Protective Roles of *Monsonia angustifolia* and Its Active Compounds in Experimental Models of Alzheimer's Disease. *J Agric Food Chem*. 2017 Apr 19;65(15):3133-3140. doi: 10.1021/acs.jafc.6b04451. Epub 2017 Apr 5. PubMed PMID: 28378593.

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