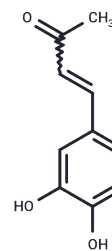


## OsMundacetone

## Chemical Properties

CAS No. :	37079-84-8
Formula:	C <sub>10</sub> H <sub>10</sub> O <sub>3</sub>
Molecular Weight:	178.1846
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	OsMundacetone (4-(3,4-Dihydroxyphenyl)-3-buten-2-one) is a natural product isolated from <i>Rhizoma osmundae</i> .
Targets(IC50)	Apoptosis, Reactive Oxygen Species

## Solubility Information

Solubility	DMSO: 45.00 mg/mL (252.55 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.6123 mL	28.0615 mL	56.123 mL
5 mM	1.1225 mL	5.6123 mL	11.2246 mL
10 mM	0.5612 mL	2.8062 mL	5.6123 mL
50 mM	0.1122 mL	0.5612 mL	1.1225 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

Zhang D , Li B W , Yang L , et al. Isolation and determination of osmundacetone in *Osmundae Rhizoma*[J]. Journal of Chinese Pharmaceutical Sciences, 2010, 45(21):1612-1614.

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