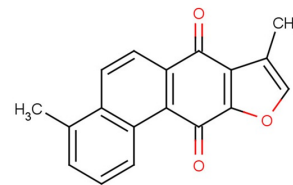


## Isotanshinone I

## Chemical Properties

CAS No.:	20958-17-2
Formula:	C <sub>18</sub> H <sub>12</sub> O <sub>3</sub>
Molecular Weight:	276.29
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	Isotanshinone I with IC <sub>50</sub> s of 1.13 $\mu$ M and 0.432 $\mu$ M for $\alpha$ -glucosidase and AGE, respectively. Isotanshinone I has inhibitory activity against $\alpha$ -glucosidase and formation of AGE,
Targets(IC <sub>50</sub> )	$\alpha$ -glucosidase: 1.13 $\mu$ M AGE: 0.432 $\mu$ M

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.619 mL	18.097 mL	36.194 mL
5 mM	0.724 mL	3.619 mL	7.239 mL
10 mM	0.362 mL	1.81 mL	3.619 mL
50 mM	0.072 mL	0.362 mL	0.724 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. Ma HY, et al. Constituents with  $\alpha$ -glucosidase and advanced glycation end-product formation inhibitory activities from *Salvia miltiorrhiza* Bge. J Nat Med. 2011 Jan;65(1):37-42.

Inhibitors · Natural Compounds · Compound Libraries

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