

## Triptoquinone A

## Chemical Properties

CAS No. :	142950-86-5
Formula:	C <sub>20</sub> H <sub>24</sub> O <sub>4</sub>
Molecular Weight:	328.40
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

## Biological Description

Description	Triptoquinone A is a natural quinone compound derived from <i>Tripterygium wilfordii</i> that exhibits anti-inflammatory activity and can inhibit the expression of inducible nitric oxide synthase (iNOS) induced by interleukin-1 beta (IL-1 $\beta$ ) or lipopolysaccharide. In vascular smooth muscle models, Triptoquinone A influences arginine-mediated vasodilation by reducing NO production.
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0451 mL	15.2253 mL	30.4507 mL
5 mM	0.609 mL	3.0451 mL	6.0901 mL
10 mM	0.3045 mL	1.5225 mL	3.0451 mL
50 mM	0.0609 mL	0.3045 mL	0.609 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

Moritoki H, et al. Inhibition by triptoquinone-A of LPS- and IL-1 beta-primed induction of NO synthase in rat thoracic aorta. *Life Sci.* 1996;59(3):PL49-54.

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