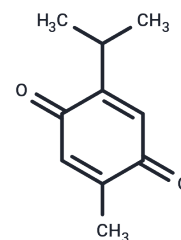


Thymoquinone

Chemical Properties

CAS No. :	490-91-5
Formula:	C ₁₀ H ₁₂ O ₂
Molecular Weight:	164.2
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Thymoquinone (NSC 2228) is a compound be found in herbs and spices with anti-inflammatory and anti-oxidant effects.
Targets(IC50)	Bcl-2 Family

Solubility Information

Solubility	DMSO: 50 mg/mL (304.51 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	6.0901 mL	30.4507 mL	60.9013 mL
5 mM	1.218 mL	6.0901 mL	12.1803 mL
10 mM	0.609 mL	3.0451 mL	6.0901 mL
50 mM	0.1218 mL	0.609 mL	1.218 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.

Reference

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- Ragheb, A., et al. The protective effect of thymoquinone, an anti-oxidant and anti-inflammatory agent, against renal injury: A review. Saudi J.Kidney Dis.Transpl. 20(5), 741-752 (2009).
- Salim, L.Z., et al. Thymoquinone induces mitochondria-mediated apoptosis in acute lymphoblastic leukaemia in vitro. Molecules 18(9), 11219-11240 (2013).
- Banerjee, S., et al. Review on molecular and therapeutic potential of thymoquinone in cancer. Nutrition and Cancer 62(7), 938-946 (2010).
- Li, F., et al. Thymoquinone inhibits proliferation, induces apoptosis and chemosensitizes human multiple myeloma cells through suppression of signal transducer and activator of transcription 3 activation pathway. British Journal of Pharmacology 161(3), 541-554 (2010).

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