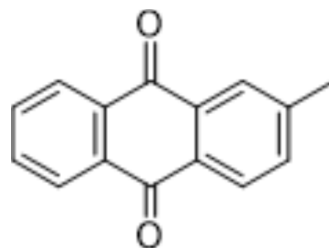


Tectoquinone

Cat. No.:	HY-N1739		
CAS No.:	84-54-8		
Molecular Formula:	C ₁₅ H ₁₀ O ₂		
Molecular Weight:	222.24		
Target:	SARS-CoV; Virus Protease		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 25 mg/mL (112.49 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	4.4996 mL	22.4982 mL	44.9964 mL
	5 mM	0.8999 mL	4.4996 mL	8.9993 mL
	10 mM	0.4500 mL	2.2498 mL	4.4996 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Tectoquinone (2-Methylanthraquinone) is a SARSCoV-2 main protease inhibitor against COVID-19. Tectoquinone exhibits strong mosquito larvicidal activity with the LC₅₀ values of 3.3 and 5.4 µg/ml against *A. aegypti* and *A. albopictus* in 24 h, respectively^{[1][2]}.

REFERENCES

- [1]. Sen-Sung Cheng, et al. Larvicidal activity of tectoquinone isolated from red heartwood-type *Cryptomeria japonica* against two mosquito species. *Bioresour Technol.* 2008 Jun;99(9):3617-22.
- [2]. Anoop Kallingal, et al. Molecular modeling study of tectoquinone and acteoside from *Tectona grandis* linn: a new SARS-CoV-2 main protease inhibitor against COVID-19. *J Biomol Struct Dyn.* 2022 Mar;40(4):1764-1775.

Caution: Product has not been fully validated for medical applications. For research use only.

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