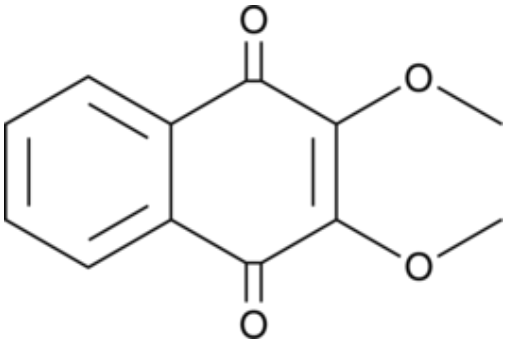
Product Data Sheet

Product Name: DMNQ
Cat. No.: GC40557

Chemical Properties

Cas. No.	6956-96-3		
SMILES	O=C1C(OC)=C(OC)C(C2=CC=CC=C21)=O		
Formula	C12H10O4	M.Wt	218.2
Solubility	DMSO: Soluble,Methanol: Soluble	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Structure



Background

DMNQ is a 1,4-naphthoquinone that acts as a redox-cycling agent, typically increasing intracellular superoxide and hydrogen peroxide formation. The amount of oxidative stress is proportional to the amount of DMNQ applied and can alter diverse cellular parameters, including signal transduction, mitochondrial function, and gene expression.

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