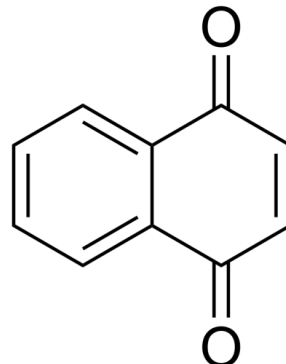


## Data Sheet

<b>Product Name:</b>	1,4-Naphthoquinone
<b>Cat. No.:</b>	CS-W016206
<b>CAS No.:</b>	130-15-4
<b>Molecular Formula:</b>	C <sub>10</sub> H <sub>6</sub> O <sub>2</sub>
<b>Molecular Weight:</b>	158.16
<b>Target:</b>	Monoamine Oxidase
<b>Pathway:</b>	Neuronal Signaling
<b>Solubility:</b>	DMSO : 100 mg/mL (632.27 mM; Need ultrasonic); H <sub>2</sub> O : < 0.1 mg/mL (insoluble)



### BIOLOGICAL ACTIVITY:

1,4-Naphthoquinone is a potential pharmacophore for inhibition of both MAO (monoamine oxidase) and DNA topoisomerase activities, this latter associated with antitumor activity<sup>[1]</sup>.

### References:

[1]. Coelho-Cerqueira E, et al. Beyond topoisomerase inhibition: antitumor 1,4-naphthoquinones as potential inhibitors of human monoamine oxidase. Chem Biol Drug Des. 2014 Apr;83(4):401-10.

### CAIndexNames:

1,4-Naphthalenedione

### SMILES:

O=C1C=CC(C2=C1C=CC=C2)=O

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

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