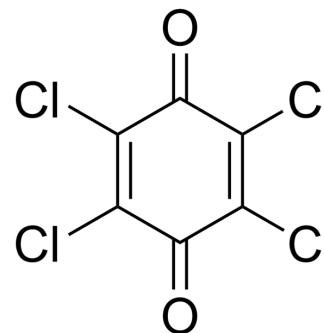


## Chloranil

Cat. No.:	HY-Y0278
CAS No.:	118-75-2
Molecular Formula:	C <sub>6</sub> Cl <sub>4</sub> O <sub>2</sub>
Molecular Weight:	245.88
Target:	Toll-like Receptor (TLR); MyD88
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Chloranil activates the TLR4 signaling pathway by enhancing the expression of TLR4 and MYD88. Chloranil leads to neuroinflammation and cell damage <sup>[1]</sup> .
IC <sub>50</sub> & Target	TLR4

### REFERENCES

[1]. Fu J, et al. The acute exposure of tetrachloro-p-benzoquinone (a.k.a. chloranil) triggers inflammation and neurological dysfunction via Toll-like receptor 4 signaling: The protective role of melatonin preconditioning. *Toxicology*. 2017 Apr 15;381:39-50.

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

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