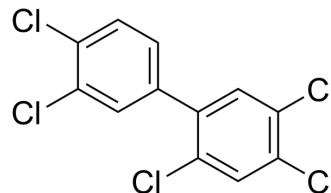


PenCB

Cat. No.:	HY-117532
CAS No.:	31508-00-6
Molecular Formula:	C ₁₂ H ₅ Cl ₅
Molecular Weight:	326.43
Target:	Pyroptosis
Pathway:	Apoptosis; Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	PenCB (PCB 118) could induces pyroptosis by priming and activating NFκB-dependent NLRP3 inflammasome. PCB 118 induces oxidative stress and pyroptosis are dependent on Aryl hydrocarbon receptor (AhR) activation and subsequent cytochrome P450 1A1 upregulation ^[1] .
In Vitro	PCB 118 exposure-induces oxidative stress leads to NLRP3 inflammasome-dependent pyroptosis in endothelial cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Yang Long, et al. ROS-induced NLRP3 inflammasome priming and activation mediate PCB 118- induced pyroptosis in endothelial cells. Ecotoxicol Environ Saf. 2020 Feb;189:109937.

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

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