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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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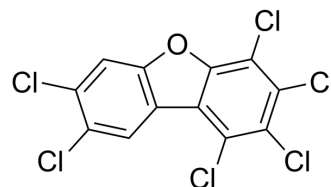
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1,2,3,4,7,8-Hexachlorodibenzofuran

Cat. No.:	HY-W775354
CAS No.:	70648-26-9
Molecular Formula:	C ₁₂ H ₂ Cl ₆ O
Molecular Weight:	374.86
Target:	Cytochrome P450; Aryl Hydrocarbon Receptor
Pathway:	Metabolic Enzyme/Protease; Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

1,2,3,4,7,8-Hexachlorodibenzofuran (1,2,3,4,7,8-HxCDF) promotes the gene expressions of CYP1A1, CYP1B1, and aryl hydrocarbon receptor repressor (AhRR) in human peripheral blood lymphocytes (PBLs). 1,2,3,4,7,8-Hexachlorodibenzofuran activates the ethoxyresorufin-O-deethylase, achieves 20% of the maximum response caused by TCDD with a BMR20TCDD of 0.115-0.143 nM^[1].

REFERENCES

[1]. van Ede KI, et al., Differential relative effect potencies of some dioxin-like compounds in human peripheral blood lymphocytes and murine splenic cells. Toxicol Lett. 2014 Apr 7;226(1):43-52.

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

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