



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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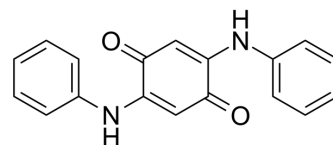
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DPPD-Q

Cat. No.:	HY-W176199
CAS No.:	3421-08-7
Molecular Formula:	C ₁₈ H ₁₄ N ₂ O ₂
Molecular Weight:	290.32
Target:	Reactive Oxygen Species
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



BIOLOGICAL ACTIVITY

Description

DPPD-Q is an oxidized derivative of the antioxidant and substituted p-phenylenediamine DPPD, which is found in tire wear particles and crumb rubber, particulate matter 2.5 (PM2.5), and wastewater influent and effluent. DPPD-Q inhibits jack bean urease by 91.4% at 5 μM^{[1][2]}.

REFERENCES

- [1]. Wang W, et al. Beyond Substituted p-Phenylenediamine Antioxidants: Prevalence of Their Quinone Derivatives in PM2.5. Environ Sci Technol. 2022 Aug 2;56(15):10629-10637.
- [2]. Cao G, et al. Occurrence and Fate of Substituted p-Phenylenediamine-Derived Quinones in Hong Kong Wastewater Treatment Plants. Environ Sci Technol. 2023 Oct 17;57(41):15635-15643.

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

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