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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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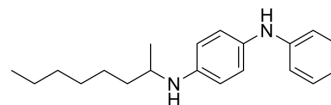
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4-(2-Octylamino)diphenylamine

Cat. No.:	HY-W335896
CAS No.:	15233-47-3
Molecular Formula:	C ₂₀ H ₂₈ N ₂
Molecular Weight:	296.45
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	4-(2-Octylamino)diphenylamine is an aromatic amine antioxidant, which is toxic to <i>V. fischeri</i> with an IC ₅₀ value of 0.68 mg/mL. 4-(2-Octylamino)diphenylamine induces skin sensitization and contact dermatitis in a local lymph node assay in mice. 4-(2-Octylamino)diphenylamine can be used as an additive in rubber ^{[1][2][3]} .
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REFERENCES

- [1]. Wang W, et al. Toxicity of substituted p-phenylenediamine antioxidants and their derived novel quinones on aquatic bacterium: Acute effects and mechanistic insights. *J Hazard Mater.* 2024 May 5;469:133900.
- [2]. Kawakami T, et al. Characterization of synthetic turf rubber granule infill in Japan: Rubber additives and related compounds. *Sci Total Environ.* 2022 Sep 20;840:156716.
- [3]. Yamano T, et al. Skin sensitization potency and cross-reactivity of p-phenylenediamine and its derivatives evaluated by non-radioactive murine local lymph node assay and guinea-pig maximization test. *Contact Dermatitis.* 2009 Apr;60(4):193-8.

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

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