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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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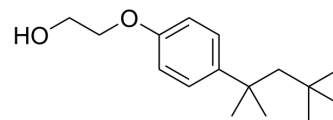
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4-tert-Octylphenol monoethoxylate

Cat. No.:	HY-W338581
CAS No.:	2315-67-5
Molecular Formula:	C ₁₆ H ₂₆ O ₂
Molecular Weight:	250.38
Target:	Estrogen Receptor/ERR
Pathway:	Vitamin D Related/Nuclear Receptor
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

4-tert-Octylphenol monoethoxylate is an alkylphenolethoxylate (APE) and a degradation product of non-ionic surfactants (such as 4-tert-octylphenol polyethoxylate). 4-tert-Octylphenol monoethoxylate also possesses non-steroidal estrogenic activity. Additionally, 4-tert-Octylphenol monoethoxylate has been found in wastewater effluent^[1].

REFERENCES

- [1]. Vajda AM, et al. Reproductive disruption in fish downstream from an estrogenic wastewater effluent. Environ Sci Technol. 2008 May 1;42(9):3407-14.
- [2]. Nishio E, et al. Isolation and identification of Sphingomonas sp. that yields tert-octylphenol monoethoxylate under aerobic conditions. Biosci Biotechnol Biochem. 2005 Jul;69(7):1226-31.
- [3]. Barber LB, et al. Reproductive responses of male fathead minnows exposed to wastewater treatment plant effluent, effluent treated with XAD8 resin, and an environmentally relevant mixture of alkylphenol compounds. Aquat Toxicol. 2007 Apr 20;82(1):36-46.

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

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