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Produktinformation



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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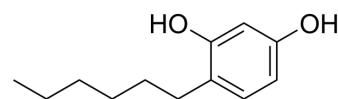
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Hexylresorcinol (Standard)

Cat. No.:	HY-B0986R
CAS No.:	136-77-6
Molecular Formula:	C ₁₂ H ₁₈ O ₂
Molecular Weight:	194.27
Target:	Endogenous Metabolite; Parasite; Bacterial; Apoptosis; Glucosidase
Pathway:	Metabolic Enzyme/Protease; Anti-infection; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Hexylresorcinol (Standard) is the analytical standard of Hexylresorcinol. This product is intended for research and analytical applications. Hexylresorcinol (4-Hexylresorcinol) is a natural compound found in plants with antimicrobial, anthelmintic, antiseptic and antitumor activities. Hexylresorcinol can induce apoptosis in squamous carcinoma cells. Hexylresorcinol is a reversible and noncompetitive inhibitor of α -glucosidase. Hexylresorcinol has protective effects against oxidative DNA damage ^{[1][2][3][4][5]} .
IC₅₀ & Target	α -glucosidase ^[4]

REFERENCES

- [1]. Y. A. Nikolaev, et al. The use of 4-Hexylresorcinol as antibiotic adjuvant. PLoS One. 2020; 15(9): e0239147.
- [2]. Seong-Gon Kim, et al. 4-hexylresorcinol exerts antitumor effects via suppression of calcium oscillation and its antitumor effects are inhibited by calcium channel blockers. Oncol Rep. 2013 May;29(5):1835-40.
- [3]. Shuang Song, et al. Inhibitory potential of 4-hexylresorcinol against α -glucosidase and non-enzymatic glycation: Activity and mechanism. J Biosci Bioeng. 2020 Nov 12;S1389-1723(20)30400-X.
- [4]. Gow-Chin Yen, et al. Effects of resveratrol and 4-hexylresorcinol on hydrogen peroxide-induced oxidative DNA damage in human lymphocyte. Free Radic Res. 2003 May;37(5):509-14.
- [5]. Min-Keun Kim, et al. 4-Hexylresorcinol induced angiogenesis potential in human endothelial cells. Maxillofac Plast Reconstr Surg. 2020 Dec; 42(1): 23.

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

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