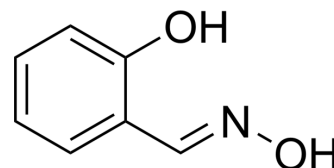


Salicylaldoxime

Cat. No.:	HY-D0216
CAS No.:	94-67-7
Molecular Formula:	C ₇ H ₇ NO ₂
Molecular Weight:	137.14
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	-20°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



BIOLOGICAL ACTIVITY

Description	Salicylaldoxime is an organic compound, that has been used as a reagent for the gravimetric determination and separation of Cooper, Nickel, Palladium, Lead, Bismuth and Zine. The copper complex of Salicylaldoxime has anticancer activity ^{[1][2]} .
In Vitro	Salicylaldoxime (300 µM) completely inhibits the relaxation activity of topoisomerase II when it forms a complex with copper; also inhibits L1210 leukaemia cell proliferation ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. W Ligett and L Biefeld. Separation and Determination of Lead with Salicylaldoxime. Ind. Eng. Chem. Anal. Ed. 1941, 13, 11, 813-815.

[2]. D. Jayaraju and Anand K. Kondapi. Anti-cancer copper salicylaldoxime complex inhibits topoisomerase II catalytic activity. Current Science. Vol. 81, No. 7 (10 October 2001), pp. 787-792

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

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