Inhibitors

## MCE RedChemExpress

## Salicylaldoxime

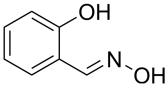
Cat. No.:HY-D0216CAS No.:94-67-7Molecular Formula: $C_7H_7NO_2$ Molecular Weight:137.14

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 <sup>[1][2]</sup> .
In Vitro	Salicylaldoxime (300 $\mu$ M) completely inhibits the relaxation activity of topoisomerase II when it forms a complex with copper; also inhibits L1210 leukaemia cell proliferation <sup>[1]</sup> . 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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