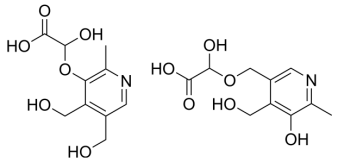
Piridoxilate

Cat. No.:	HY-128511
CAS No.:	24340-35-0
Molecular Formula:	$C_{20}H_{26}N_2O_{12}$
Molecular Weight:	486.43
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Piridoxilate (Piridoxylate), a glyoxylate derivative, is an anti-anoxic agent. Piridoxilate can be used in research on vascular diseases and coronary occlusion[1][2].
In Vitro	Piridoxilate (Piridoxylate; 0-20 nM) enhances the synthesis of hippurate from benzoate in rat hepatocytes[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	Piridoxilate (Piridoxylate; 120 mg/kg; i.p.) has protective action of piridoxilate against cerebral hypoxia in rats[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Animal Model:	Sprague-Dawley rats with cerebral hypoxia[1]
Dosage:	120 mg/kg
Administration:	Intraperitoneal injection
Result:	Enhanced resistance of these animals to hypoxia.

REFERENCES

[1]. Millet YA, et, al. Evaluation sur l'électrocorticogramme du rat de l'action protectrice du piridoxilate contre l'hypoxie cérébrale [Evaluation by electrocorticogram of the protective action of piridoxilate against cerebral hypoxia in rats]. C R Seances Soc Biol Fil. 1977;171(2):398-405.

[2]. Coude FX, et, al. Potentiation by piridoxilate of the synthesis of hippurate from benzoate in isolated rat hepatocytes. An approach to the determination of new pathways of nitrogen excretion in inborn errors of urea synthesis. Clin Chim Acta. 1984 Jan 31;136(2-3):211-7.

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