

Product Data Sheet

Product Name: Pyridoxine

Cat. No.: GC15457

Chemical Properties

Cas. No. 65-23-6

Chemical Name (5-hydroxy-6-methylpyridine-3,4-diyl)dimethanol

SMILES CC1=C(O)C(CO)=C(CO)C=N1

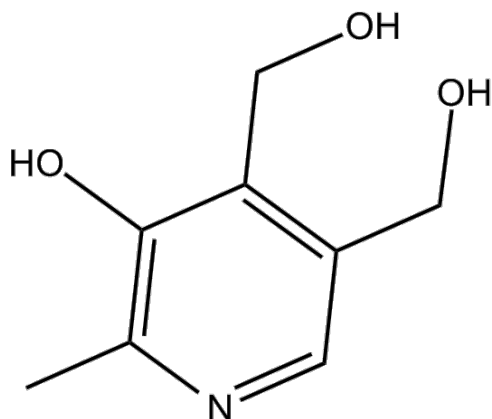
Formula $C_8H_{11}NO_3$ M.Wt 169.18

Solubility $\geq 16.9\text{mg/mL}$ in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37°C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Pyridoxine is a pyridine derivative. Pyridoxine exerts antioxidant effects in cell model of Alzheimer's disease via the Nrf-2/HO-1 pathway.

Pyridoxine exerts a protective potential against AD, attenuates ROS levels, decreases the expressions of cytoplasmic Nrf2, and upregulates whole-cell HO-1 expression[1].

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

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References:

[1]. Li C, et al. Pyridoxine exerts antioxidant effects in cell model of Alzheimer's disease via the Nrf-2/HO-1 pathway. Cell Mol Biol (Noisy-le-grand). 2018 Jul 30;64(10):119-124.

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