

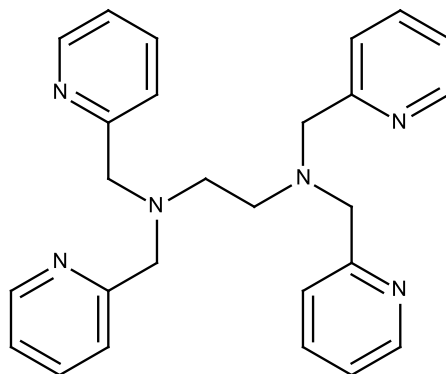
**Catalog # 10-1228**

**TPEN**

CAS# 16858-02-9

N,N,N',N'-Tetrakis(2-pyridylmethyl)ethylenediamine

Lot # X102168



TPEN is a cell permeable metal chelator. Frequently used to study effects of zinc depletion on cellular processes.<sup>1,2</sup>

- 1) Chimienti et al. (2001) *Role of cellular zinc in programmed cell death: temporal relationship between zinc depletion, activation of caspases and cleavage of Sp family transcription factors*. *Biochem.Pharmacol.* **62** 51
- 2) Meplan et al. (2000) *Metalloregulation of the tumor suppressor protein p53: zinc mediates the renaturation of p53 after exposure to metal chelators in vitro and in intact cells* *Oncogene* **19** 5227

**PHYSICAL DATA**

Molecular Weight:	424.54
Molecular Formula:	C <sub>26</sub> H <sub>28</sub> N <sub>6</sub>
Purity:	>98% by TLC NMR: Conforms
Solubility:	DMSO (at least 10 mg/mL)
Physical Description:	Tan solid
Storage and Stability:	Store as supplied at -20°C for up to 2 years from the date of purchase. Protect from exposure to moisture. Solutions in DMSO may be stored at -20°C for up to 3 months.

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