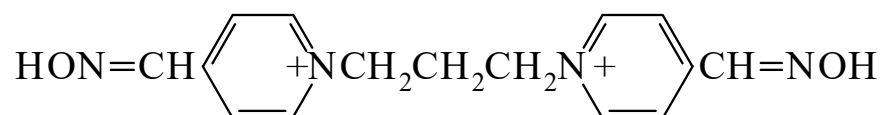




>>Entry Name: Trimedoxime(2+)

Synonym(s): 1,1'-(1,3-Propanediyl)bis[4-[(hydroxyimino)methyl]pyridinium], 9Cl. 1,1'-Trimethylenebis(4-formylpyridinium) dioxime, 8Cl. Dipiroxim. Dipyroxim



CAS Registry Number: 6736-02-3

Molecular Formula: $C_{15}H_{18}N_4O_2^{2(+)}$

Molecular Weight: 286.333

Accurate Mass: 286.142976

Percentage Composition: C 62.92%; H 6.34%; N 19.57%; O 11.18%

>>Derivative: Dibromide

Synonym(s): Trimedoxime bromide, INN. C-434. TMB-4

CAS Registry Number: 56-97-3

Molecular Formula: $C_{15}H_{18}Br_2N_4O_2$

Molecular Weight: 446.141

Accurate Mass: 444.019648

Percentage Composition: C 40.38%; H 4.07%; Br 35.82%; N 12.56%; O 7.17%

Use/Importance: Cholinesterase reactivator. Nerve gas antidote

Melting Point: Mp 240°

Hazard & Toxicity: LD₅₀ (rat, ipr) 192 mg/kg

Aldrich: 86138-3

Rare Chemicals Library: S45805-8

Sigma: T6509

References:

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De Miranda, P. *et al.*, *J. Pharmacol. Exp. Ther.*, 1972, **180**, 435, (metab)

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