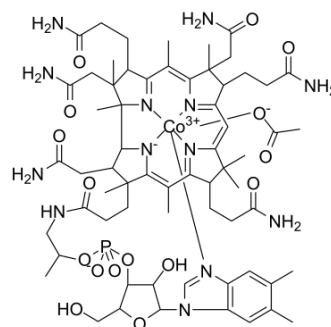


Hydroxocobalamin acetate

Cat. No.:	HY-B2209B
CAS No.:	22465-48-1
Molecular Formula:	C ₆₄ H ₉₁ CoN ₁₃ O ₁₆ P
Molecular Weight:	1388.39
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description

Hydroxocobalamin acetate is an injectable naturally occurring form of vitamin B12 with a favorable adverse effect profile, used as a dietary supplement in the treatment of vitamin B12 deficiency including pernicious anemia^{[1][2]}.

IC₅₀ & Target

The cobalt atom of hydroxocobalamin binds cyanide and nitric oxide (NO) and hydroxocobalamin attenuates vascular responses to NO in vitro^[3].

REFERENCES

- [1]. Cheungpasitporn W, et al. High-dose hydroxocobalamin for vasoplegic syndrome causing false blood leak alarm. *Clin Kidney J.* 2017 Jun;10(3):357-362.
- [2]. Wang H, et al. Oral vitamin B12 versus intramuscular vitamin B12 for vitamin B12 deficiency. *Cochrane Database Syst Rev.* 2018 Mar 15;3:CD004655.
- [3]. Greenberg SS, et al. Hydroxocobalamin (vitamin B12a) prevents and reverses endotoxin-induced hypotension and mortality in rodents: role of nitric oxide. *J Pharmacol Exp Ther.* 1995 Apr;273(1):257-65.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA