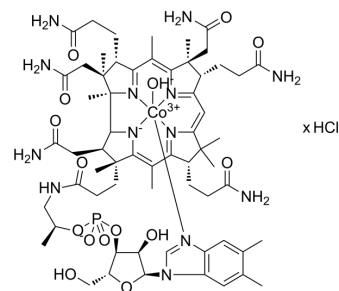


Hydroxocobalamin hydrochloride

Cat. No.:	HY-B2209C
CAS No.:	58288-50-9
Molecular Formula:	C ₆₂ H ₉₀ ClCoN ₁₃ O ₁₅ P
Molecular Weight:	1382.82
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Hydroxocobalamin hydrochloride is an injectable naturally occurring form of vitamin B12 with a favorable adverse effect profile, used as a dietary supplement in the research of vitamin B12 deficiency including pernicious anemia ^{[1][2]} .
IC₅₀ & Target	Human Endogenous Metabolite

CUSTOMER VALIDATION

- Nat Commun. 2021 Nov 22;12(1):6786.

See more customer validations on www.MedChemExpress.com

REFERENCES

- Cheungpasitporn W, et al. High-dose hydroxocobalamin for vasoplegic syndrome causing false blood leak alarm. Clin Kidney J. 2017 Jun;10(3):357-362.
- Wang H, et al. Oral vitamin B12 versus intramuscular vitamin B12 for vitamin B12 deficiency. Cochrane Database Syst Rev. 2018 Mar 15;3:CD004655.
- 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.

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