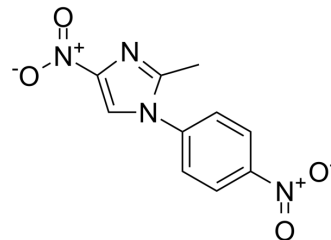


Nitrefazole

Cat. No.:	HY-107030
CAS No.:	21721-92-6
Molecular Formula:	C ₁₀ H ₈ N ₄ O ₄
Molecular Weight:	248.19
Target:	Aldehyde Dehydrogenase (ALDH)
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Nitrefazole is a 4-nitroimidazole derivative with strong and long lasting inhibition of aldehyde dehydrogenase (ALDH), an enzyme involved in the metabolism of alcohol.

REFERENCES

- [1]. Koda LY, Madamba SG, Bloom FE. Hypotensive response of ethanol in rats pretreated with disulfiram or nitrefazole. *Life Sci.* 1984;35(16):1659-1665.
- [2]. Zorzano A, Herrera E. Differences in the kinetic properties and sensitivity to inhibitors of human placental, erythrocyte, and major hepatic aldehyde dehydrogenase isoenzymes. *Biochem Pharmacol.* 1990;39(5):873-878.

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

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