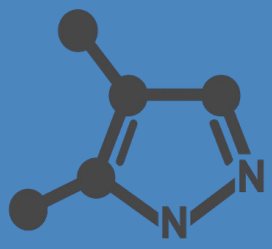
Inventys Specialty Chemicals

INVENTYS
Research For Good

FOMEPIZOLE USP IP

CAS: 7554-65-6

$C_4H_6N_2$



FOMEPIZOLE USP IP IS THE PHARMACOPEIAL-GRADE ACTIVE PHARMACEUTICAL INGREDIENT (4-METHYLPYRAZOLE) MANUFACTURED AND RELEASED TO USP AND IP MONOGRAPH SPECIFICATIONS, WITH TIGHTENED CONTROL ON ASSAY, GENOTOXIC-IMPURITY, AND RESIDUAL-SOLVENT LIMITS BEYOND STANDARD TECHNICAL GRADE. IT IS THE ESSENTIAL FIRST-LINE ANTIDOTE FOR ETHYLENE GLYCOL AND METHANOL POISONING, SUPPLIED CGMP-COMPLIANT FOR INJECTABLE DRUG-PRODUCT MANUFACTURE.

Appearance	Colorless to pale-yellow liquid (may solidify at 25 degC)
Assay	98.0-102.0% (anhydrous basis, HPLC)
Water Content (KF)	NMT 1.0%
Hydrazine Content	NMT 0.001% (GC)

Why Inventys

- Zero customer lot rejections since 2011
- 51%+ renewable energy (net-zero) since 2012
- Top 3% sustainability performer — $30B+ pharma customer audit
- EcoVadis Gold (Top 5%); TfS score of 89
- 105 reactors in 2026, scaling to 360+ by design
- Flow chemistry since 2019: −91% energy, −90% solvent, 64× throughput
- 80–90% backward-integrated sourcing within India
- cGMP, CFR 21-compliant automation, full documentation
- ~95% revenue from Japan, W. Europe & US originators; debt-free
- FICCI Green Process Award; FT Asia-Pacific Fastest-Growing (2023)

APPLICATIONS

Healthcare
USP/IP-compliant API in Fomepizole injection, the first-line antidote for ethylene glycol and methanol poisoning.

Veterinary Medicine
Formulated into veterinary antidote and drug products for equivalent poisoning-management use in animals.

Building Block
Pyrazole core with a reactive 4-position enables further functionalization for heterocyclic organic synthesis.

cGMP Manufacturing
Manufactured under Inventys's cGMP-aligned, backward-integrated process control with full USP/IP batch documentation.

Synonyms: 4-Methylpyrazole (4-MP) · Fomepizole (INN)

GOLD | Top 5% ecovadis Sustainability Rating JUL 2026 · TfS 89 · WHO-GMP

ISO 9001 · ISO 14001 · ISO 45001 · ISO 50001 · ISO 27001 · cGMP ISO 22716:2007 CERTIFIED · ISO 22000 Food Safety Management System · BRCGS Food Safety CERTIFIED · KOSHER CERTIFIED · HALAL INDIA · CDSCO · FDA FOR MAHARASHTRA FOOD AND DRUG ADMINISTRATION · US Environmental Protection Agency

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