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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

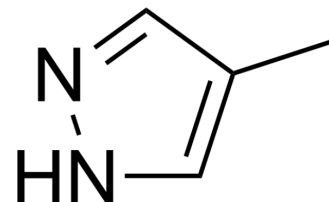
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Fomepizole (Standard)

Cat. No.:	HY-B0876R
CAS No.:	7554-65-6
Molecular Formula:	C ₄ H ₆ N ₂
Molecular Weight:	82.1
Target:	Cytochrome P450
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Fomepizole (Standard) is the analytical standard of Fomepizole. This product is intended for research and analytical applications. Fomepizole (4-Methylpyrazole) is a potent cytochrome P450 (CYP2E1) inhibitor. Fomepizole is a competitive inhibitor of the enzyme alcohol dehydrogenase. Fomepizole blocks further conversion of methanol and ethylene glycol to toxic metabolites. Fomepizole has the potential for an antidote for ethylene glycol or methanol poisoning^{[1][2][3]}.

REFERENCES

- [1]. Casavant MJ. Fomepizole in the treatment of poisoning. *Pediatrics*. 2001 Jan;107(1):170.
- [2]. Lepik KJ, et al. Adverse drug events associated with the antidotes for methanol and ethylene glycol poisoning: a comparison of ethanol and fomepizole. *Ann Emerg Med*. 2009 Apr;53(4):439-450.e10.
- [3]. Garrett Rampon, et al. Use of fomepizole as an adjunct in the treatment of acetaminophen overdose: a case series. *Toxicology Communications*. Volume 4, 2020 - Issue 1.
- [4]. Páez AM, et al. Effects of 4-methylpyrazole on ethanol neurobehavioral toxicity in CD-1 mice. *Acad Emerg Med*. 2004 Aug;11(8):820-6.

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