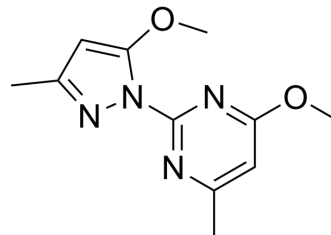


Epirizole

Cat. No.:	HY-103595
CAS No.:	18694-40-1
Molecular Formula:	C ₁₁ H ₁₄ N ₄ O ₂
Molecular Weight:	234.26
Target:	Others
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 250 mg/mL (1067.19 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	4.2688 mL	21.3438 mL	42.6876 mL
5 mM	0.8538 mL	4.2688 mL	8.5375 mL
10 mM	0.4269 mL	2.1344 mL	4.2688 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Epirizole (Mepirizole) is an orally active NSAID (nonsteroidal anti-inflammatory agent). Epirizole shows anti-inflammatory activity, and can be used in chronic rheumatoid arthritis research^[1].

In Vitro

Epirizole (1-1000 μM; 24 h) increases MDR1 mRNA expression in Caco-2 cells^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.
RT-PCR^[1]

Cell Line:	Caco-2 cells
Concentration:	1, 10, 100, and 1000 μM
Incubation Time:	24 hours
Result:	Increased the level of MDR1 mRNA expression.

REFERENCES

[1]. Takara K, et al. Effects of nonsteroidal anti-inflammatory drugs on the expression and function of P-glycoprotein/MDR1 in Caco-2 cells. Drug Chem Toxicol. 2009;32(4):332-7.

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

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