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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC Handels GmbH

Quellenstraße 110, A-1100 Wien

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

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

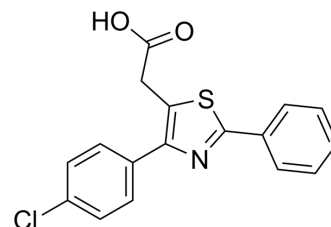
mail@szabo-scandic.com

www.szabo-scandic.com

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

Fentiazac

Cat. No.:	HY-118752
CAS No.:	18046-21-4
Molecular Formula:	C ₁₇ H ₁₂ ClNO ₂ S
Molecular Weight:	329.8
Target:	Others
Pathway:	Others
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (303.21 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		3.0321 mL	15.1607 mL	30.3214 mL
		5 mM		0.6064 mL	3.0321 mL	6.0643 mL
		10 mM		0.3032 mL	1.5161 mL	3.0321 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (7.58 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (7.58 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.58 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Fentiazac, alcanoic acid derivative, is an orally active non-steroidal anti-inflammatory agent, with analgesic, antipyretic and platelet anti-aggregation activity. Fentiazac can be used to research inflammatory diseases such as rheumatoid arthritis, osteoarthritis and tendinitis ^{[1][2][3]} .
In Vivo	Fentiazac is well tolerated after repeated oral administration in rats, monkeys and dogs; and no significant modifications in the heart and bone marrow function, as well as blood chemistry ^[1] . Tolerance of Fentiazac in rat, monkey and dog ^[1] .

Species	Tolerant dosage	Tolerant administration day
Rat	0-50 mg/kg/day	90 days
Red pated monkey	40 mg/kg/day	90 days
	0-30 mg/kg/day	180 days
African green monkey	0-8 mg/kg/day	79 to 93 days
dog	16.6 mg/kg/day	180 days

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Emilio Marmo, et al. Experimental and clinical pharmacology of fentiazac, a new, non-steroidal anti-inflammatory agent. Current Medical Research and Opinion. Volume 6, 1979 - Issue sup2.
- [2]. Gabor Katona, et al. Efficacy and tolerability of fentiazac in rheumatoid arthritis: Double-blind study versus indomethacin. Current Medical Research and Opinion. Volume 6, 1979 - Issue sup2.
- [3]. Famaey JP, Gaci O, Ginsberg F. Fentiazac in the treatment of osteoarthritis and tendinitis. Curr Med Res Opin. 1983;8(9):675-81.

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