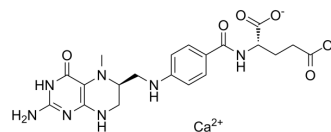


Levomefolate calcium

Cat. No.:	HY-17383
CAS No.:	151533-22-1
Molecular Formula:	C ₂₀ H ₂₃ CaN ₇ O ₆
Molecular Weight:	497.52
Target:	Antifolate
Pathway:	Cell Cycle/DNA Damage
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 4.4 mg/mL (8.84 mM; Need ultrasonic and warming)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	2.0100 mL	10.0498 mL	20.0997 mL	
5 mM	0.4020 mL	2.0100 mL	4.0199 mL	
10 mM	---	---	---	

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

BIOLOGICAL ACTIVITY

Description

Levomefolate calcium is an artificial form of folate. IC₅₀ Value: Target: Antifolate The calcium salt of L-5-methyltetrahydrofolic acid which belongs to the group of folate vitamins (Vitamin B9, Folic acid). It is a coenzymated form of folic acid and a more bioavailable alternative in dietary supplements.

CUSTOMER VALIDATION

- J Mol Med (Berl). 2019 Aug;97(8):1183-1193.

See more customer validations on www.MedChemExpress.com

REFERENCES

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[2]. Wiesinger H, Eydeler U, Richard F, et al. Bioequivalence evaluation of a folate-supplemented oral contraceptive containing ethinylestradiol/drospirenone/levomefolate calcium versus ethinylestradiol/drospirenone and levomefolate calcium alone. Clin Drug Investig. 2012 Oct 1;32(10):673-84.

[3]. Hartmut Blodea, Christine Klippingb, Frank Richardc, et al. Bioequivalence study of an oral contraceptive containing ethinylestradiol/drospirenone/levomefolate calcium relative to ethinylestradiol/drospirenone and to levomefolate calcium alone. Contraception.2012, 85(2), :177-184

[4]. Rapkin RB, Creinin MD. The combined oral contraceptive pill containing drospirenone and ethinyl estradiol plus levomefolate calcium. Expert Opin Pharmacother. 2011 Oct;12(15):2403-10. doi: 10.1517/14656566.2011.610791.

[5]. Levomefolic_acid

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

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