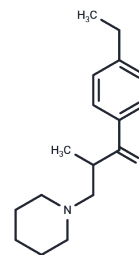


Eperisone

Chemical Properties

CAS No. :	64840-90-0
Formula:	C ₁₇ H ₂₅ NO
Molecular Weight:	259.39
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Eperisone is a centrally acting muscle relaxant and antispastic agent utilized in the treatment of conditions distinguished by muscle stiffness and pain. Its mechanism of action involves the relaxation of skeletal muscles and vascular smooth muscles, resulting in a range of beneficial effects including reduction of myotonia, enhancement of circulation, and suppression of the pain reflex. Additionally, Eperisone exhibits inhibitory properties on the pain reflex pathway and exerts a vasodilator effect.
Targets(IC50)	Others,P2X Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8552 mL	19.276 mL	38.552 mL
5 mM	0.771 mL	3.8552 mL	7.7104 mL
10 mM	0.3855 mL	1.9276 mL	3.8552 mL
50 mM	0.0771 mL	0.3855 mL	0.771 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Cabitz P, et al. Efficacy and safety of eperisone in patients with low back pain: a double blind randomized study. *Eur Rev Med Pharmacol Sci.* 2008 Jul-Aug;12(4):229-35.
- Fransisco Colomer Rusinol, et al. Effects of Two Different Doses of Eperisone in the Treatment of Acute Low Back Pain. *The Journal of Applied Research.*
- Bavage S, et al. Clinical efficacy and safety of eperisone for low back pain: A systematic literature review. *Pharmacol Rep.* 2016 Oct;68(5):903-12.

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