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## Product Data Sheet

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Product Name: Eperisone

Cat. No.: GC35994

### Chemical Properties

Cas. No. 64840-90-0

SMILES O=C(C1=CC=C(CC)C=C1)C(C)CN2CCCCC2

Formula  $C_{17}H_{25}NO$  M.Wt 259.39

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

### Background

Eperisone is an antispastic agent used for treatment of diseases characterized by muscle stiffness and pain. It works by relaxing both skeletal muscles and vascular smooth muscles, thus demonstrating a variety of effects such as reduction of myotonia, improvement of circulation and suppression of the pain reflex. Eperisone is a centrally acting muscle relaxant inhibiting the pain reflex pathway, having a vasodilator effect [1] [2] [3].

[1]. Cabitza 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.  
[2]. Frandisco Colomer Rusinol, et al. Effects of Two Different Doses of Eperisone in the Treatment of Acute Low Back Pain. *The Journal of Applied Research.* [3]. 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.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA