

Product Data Sheet

Product Name: Phensuximide

Cat. No.: GC45547

Chemical Properties

Cas. No. 86-34-0

SMILES O=C(N1C)C(C2=CC=CC=C2)CC1=O

Formula C₁₁H₁₁NO₂

M.Wt 189.2

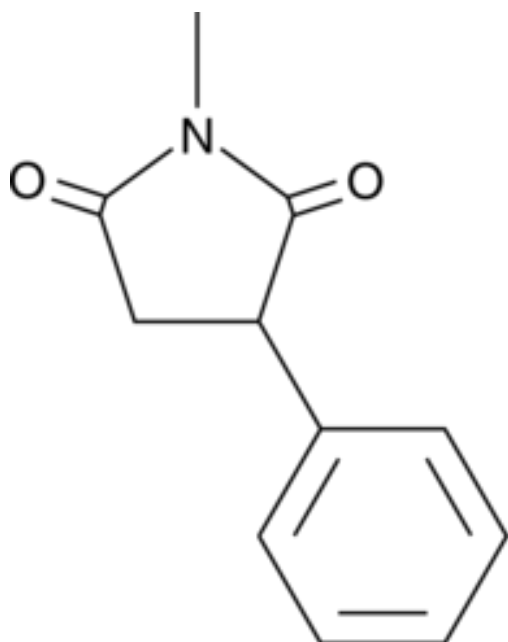
Solubility DMF: 1mg/mL, DMSO: 15mg/mL, DMSO:PBS (pH 7.2) (1:5): 0.16mg/mL, Ethanol: 10mg/mL

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

Phensuximide is an anticonvulsant.¹ It inhibits seizures induced by maximal electroshock (MES) and pentylenetetrazole in mice (ED₅₀s = 112 and 50 mg/kg, respectively). Phensuximide (1.25 mmol/kg,

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

Product Data Sheet

i.p.) induces proteinuria and hematuria in rats.² Formulations containing phensuximide have been used in the treatment of petit mal seizures.

References

1. Kornet, M.J., Crider, A.M., and Magarian, E.O. Potential long-acting anticonvulsants. 1. Synthesis and activity of succinimides containing an alkylating group at the 2 position. J. Med. Chem. 20(3), 405-409 (1977).
2. Rankin, G.O., Cressey-Veneziano, K., Wang, R.T., et al. Urinary tract effects of phensuximide in the Sprague-Dawley and Fischer 344 rat. J. Appl. Toxicol. 6(5), 349-356 (1986).

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