
Product Data Sheet

Product Name: ERB-196 (WAY-202196)

Cat. No.: GC30650

Chemical Properties

Cas. No. 550997-55-2

SMILES N#CC1=C2C=C(O)C=CC2=CC(C3=CC=C(O)C(F)=C3)=C1Formula C17H10FNO2 M.Wt 279.27

Solubility Ethanol : 16 mg/mL (57.29 mM; Need ultrasonic) 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 **Protocol****Animal experiment:**

The neutropenic rat model of pseudomonas sepsis are used in this study. For the survival study, ERB-196 (50 mg/kg; n=12) or vehicle control (n=8) is administered daily by orogastric feeding beginning on day 4 after the first dose of cyclophosphamide and continuing for 8 days. Animals are assessed clinically and pathologically by measuring daily body weight, body temperature, presence of bacteremia, circulating endotoxin levels, and pathologic evidence of damage to the gastrointestinal epithelium and liver by light microscopy and electron microscopy. Blood and tissue samples are serially diluted in sterile saline and incubated at 37°C on pseudomonas agar for quantitative assessment of bacterial concentrations[1].

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

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References:

[1]. Cristofaro PA, et al. WAY-202196, a selective estrogen receptor-beta agonist, protects against death in experimental septic shock. Crit Care Med. 2006 Aug;34(8):2188-93.

Background

ERB-196 is a nonsteroidal selective estrogen receptor- β (ER β) agonist.

ERB-196 is a nonsteroidal selective estrogen receptor- β (ER β) agonist. ERB-196 significantly reduces histopathologic evidence of injury to the gastrointestinal mucosal surface (0.7 ± 0.1 vs. 2.3 ± 0.2 for control; $p < 0.05$). The mucosal mass of 10-cm segments of small bowel mucosa shows better preservation of mucosal mass than control treatment (63 ± 20 [ERB-196] vs. 31 ± 24 [control]), but this difference fails to reach statistical significance ($p < 0.06$). The administration of ERB-196 is highly effective in the prevention of lethality. Consistent with the neutropenic rat model, ERB-196 significantly increases survival when compare with vehicle control[1].

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