

Product Data Sheet

Product Name: Eltrombopag Olamine

Cat. No.: GC16341

Chemical Properties

Cas. No. 496775-62-3

Chemical Name 2-aminoethanol;3-[(5E)-5-[[2-(3,4-dimethylphenyl)-5-methyl-3-oxo-1H-pyrazol-4-yl]hydrazinylidene]-6-oxocyclohexa-1,3-dien-1-yl]benzoic acid

SMILES CC1=C(C=C(C=C1)N2C(=O)C(=C(N2)C)NN=C3C=CC=C(C3=O)C4=CC(=CC=C4)C(=O)O)C.C(CO)N.C(CO)N

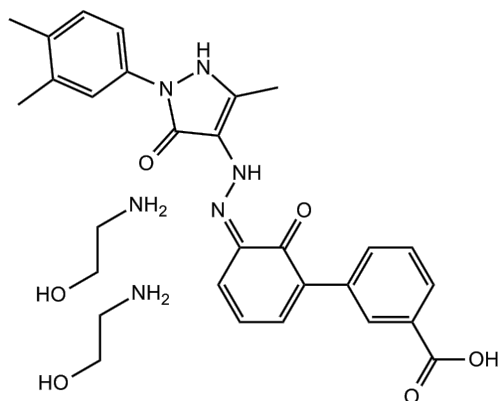
Formula $C_{29}H_{36}N_6O_6$ M.Wt 564.63

Solubility ≥ 14.1 mg/mL in DMSO with gentle warming 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

Description: IC₅₀ Value: 0.27 μM (EC₅₀ in murine BAF3 cells) [1] Eltrombopag is a new, orally active thrombopoietin-receptor (c-mpl) agonist that stimulates thrombopoiesis. Potential advantages of eltrombopag may include a sustained platelet response and a good tolerability profile. *in vitro*: Eltrombopag demonstrated a half maximal effective concentration (EC₅₀) of 0.27 μM in murine BAF3

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

cells transfected with the luciferase reporter gene under direction of the STAT-activated IRF-1 promoter and human TpoR (BAF3/IRF-1/hTpoR) [1]. Eltrombopag stimulates the growth of TPO-dependent cell lines via JAK2 and STAT signaling pathways and stimulates isolated human CD34+ cells to become megakaryocytes and produce platelets [2]. *in vivo*: Twelve weeks of antiviral therapy, with concurrent receipt of eltrombopag or placebo, were completed by 36%, 53%, and 65% of patients receiving 30 mg, 50 mg, and 75 mg of eltrombopag, respectively, and by 6% of patients in the placebo group [3]. Eltrombopag was administered as once-daily oral capsules for 10 days at doses of 5, 10, 25, 30, 50, and 75 mg. The pharmacokinetics of eltrombopag was dose dependent and linear, and eltrombopag increased platelet counts in a dose-dependent manner [4]. Toxicity: There were no apparent differences in the incidence or severity of adverse events in subjects receiving active or placebo study medication [4]. Long-term treatment with eltrombopag was generally safe, well tolerated, and effective in maintaining platelet counts in the desired range [5]. Clinical trial: Eltrombopag In Cord Blood Or Haploidentical Bone Marrow Transplantation. Phase 2

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