

Product Data Sheet

Product Name: LY117018 TFA

Cat. No.: GC72874

Chemical Properties

Cas. No. 2390041-98-0

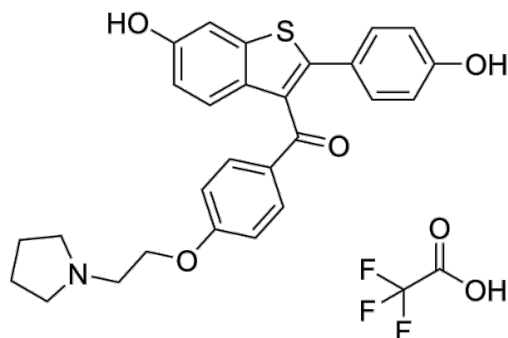
Formula $C_{29}H_{26}F_3NO_6S$ M.Wt 573.58

Solubility DMSO : 100 mg/mL (174.34 mM; Need ultrasonic) Storage 4°C, sealed storage, away from moisture

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

LY117018 TFA, a Raloxifene analog, is a selective estrogen receptor modulator. LY117018 TFA exerts antiproliferative effects on breast cancer cell lines.

LY117018 (0.01-1000 nM; 24 hours) at lower concentrations (0.01-10 nM) caused an E2-like

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

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increase in p53 levels when compared to its effects on cells grown in the stripped medium. At a higher concentration of LY117018 (1 μ M), the level of p53 appeared to decline. Treatment with 1 μ M LY117018 resulted in a predominantly phosphorylated pRb. At lower concentrations, LY117018 did not block E2-induced pRb phosphorylation[1]. LY117018 (1 μ M; 96 hours) inhibits MCF-7 cells proliferation with an IC₅₀ of 1 μ M[2]. LY117018 suppresses oxidative stress-induced endothelial cell apoptosis through activation of ERK1/2 signaling pathway[3].

References:

- [1]. Dinda S, et al. Effects of LY117018 (a SERM analog of raloxifene) on tumor suppressor proteins and proliferation of breast cancer cells. *Horm Mol Biol Clin Investig.* 2010 Aug 1;2(1):211-7.
- [2]. Baumann KH, et al. Effects of celecoxib and ly117018 combination on human breast cancer cells in vitro. *Breast Cancer (Auckl).* 2009 Apr 7;3:23-34.
- [3]. Yu J, et al. Raloxifene analogue LY117018 suppresses oxidative stress-induced endothelial cell apoptosis through activation of ERK1/2 signaling pathway. *Eur J Pharmacol.* 2008 Jul 28;589(1-3):32-6.

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