

Product Data Sheet

Product Name: OP-1074

Cat. No.: GC64345

Chemical Properties

Cas. No. 1443752-76-8

Formula C₂₉H₃₁NO₄

M.Wt 457.56

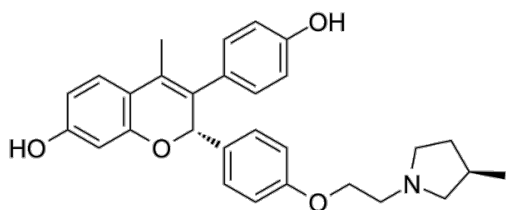
Solubility

Storage -20°C, stored under nitrogen

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

OP-1074 is a pure antiestrogen and a selective ER degrader (PA-SERD), shows specific antiestrogenic activity for ER α and ER β , inhibits 17 β -estradiol (E2)-stimulated transcriptional activity with IC₅₀ of 1.6 and 3.2 nM, respectively[1].

OP-1074 (0-100 nM; 24 hours) inhibits MCF-7 cells and CAMA-1 cells proliferation with IC₅₀ values of 6.3 and 9.2 nM, respectively[1]. OP-1074 (100 nM; 24 hours) destabilizes ER α protein expression in MCF-7 and CAMA-1 cells[1].

[1]. Fanning SW, et al. Specific stereochemistry of OP-1074 disrupts estrogen receptor alpha helix 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

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and confers pure antiestrogenic activity. Nat Commun. 2018 Jun 18;9(1):2368.

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