

Product Data Sheet

Product Name: Imlunestrant-d₄

Cat. No.: GC81876

Chemical Properties

Cas. No.

Formula C₂₉H₂₀D₄F₄N₂O₃

M.Wt 528.53

Solubility

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

Imlunestrant -d 4 (LY-3484356-d 4) is the deuterated-labeled Imlunestrant. Imlunestrant (LY-3484356) is an orally active, potent and selective estrogen receptor degrader (SERD) with pure antagonistic properties. Imlunestrant results in sustained inhibition of ER-dependent gene transcription and cell growth. Imlunestrant can be used for the research of ER-positive (ER+) advanced breast cancer (aBC) and endometrial endometrioid cancer (EEC) [1] [2].

In Vitro, Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration

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

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has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs.

References:

- [1]. Komal L. Jhaveri, et al. A first-in-human phase 1a/b trial of LY3484356, an oral selective estrogen receptor (ER) degrader (SERD) in ER+ advanced breast cancer (aBC) and endometrial endometrioid cancer (EEC): Results from the EMBER study. 2021 ASCO Annual Meeting I.
- [2]. Cristina Hernando, et al. Oral Selective Estrogen Receptor Degraders (SERDs) as a Novel Breast Cancer Therapy: Present and Future from a Clinical Perspective. Int. J. Mol. Sci. 2021, 22(15), 7812.

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