
Product Data Sheet

Product Name: Olaparib-d8

Cat. No.: GC69618

Chemical Properties

Cas. No.

Formula C₂₄H₁₅D₈FN₄O₃

M.Wt

442.51

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

Olaparib-dg is the deuterium labeled Olaparib (AZD2281). Olaparib is a potent and orally active mitophagy activator[1][2][3][4].

[1]. Menear KA, et al. 4-[3-(4-cyclopropanecarbonylpiperazine-1-carbonyl)-4-fluorobenzyl]-2H-phthalazin-1-one: a novel bioavailable inhibitor of poly(ADP-ribose) polymerase-1. J Med Chem. 2008 Oct 23;51(20):6581-91

[2]. Senra JM, et al. Inhibition of PARP-1 by olaparib (AZD2281) increases the radiosensitivity of a lung tumor xenograft. Mol Cancer Ther. 2011 Oct;10(10):1949-58.

[3]. Yasukawa M, et al. Synergetic Effects of PARP Inhibitor AZD2281 in Oral Squamous Cell Carcinoma in Vitro and in Vivo. Int J Mol Sci. 2016 Feb 24;17(3):272.

[4]. Bian X, et al. PTEN deficiency sensitizes endometrioid endometrial cancer to compound PARP-PI3K inhibition but not PARP inhibition as monotherapy. Oncogene. 2018 Jan 18;37(3):341-351.

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

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